

DOCUMENT RESUME

ED 135 873

TM 006 120

AUTHOR Sawyer, Richard L.
TITLE College Student Profiles: Norms for the ACT Assessment. 1976-77 Edition.
INSTITUTION American Coll. Testing Program, Iowa City, Iowa.
PUB DATE 76
NOTE 141p.
AVAILABLE FROM ACT Publications, P.O. Box 168, Iowa City, Iowa 52240 (Stock No. 2-3-1.76, \$3.00)

EDRS PRICE MF-\$0.83 HC-\$7.35 Plus Postage.
DESCRIPTORS *Academic Ability; Age; *College Entrance Examinations; *College Freshmen; College Majors; Colleges; Ethnic Groups; Family Income; Geographic Regions; Grades (Scholastic); Higher Education; *Norms; Race; Scores; Standardized Tests; Student Characteristics
IDENTIFIERS ACT Assessment Program; American College Testing Program

ABSTRACT This book is an extensive description of the fall 1975 freshman students at 1,128 institutions participating in the ACT Assessment Program. It provides norms for academic abilities by geographic region, college type and control, student age, racial-ethnic background, curricular major, and family income. It also provides norms for nonacademic characteristics by college type and control. (Author/BC)

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Previous editions published in 1966 and 1972

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Price \$3.00

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FOREWORD

This book provides extensive information about ACT Assessment results for different kinds of colleges and universities in the United States. Norms are given by educational level, educational major, region, age, and family income level. The tables are based on data for freshman students who entered college in 1975-76.

This volume supersedes *Assessing Students on the Way to College, Volume II, College Student Profiles: Norms for the ACT Assessment*, prepared by Oscar T. Lenning and published in 1972. The current edition was prepared by Richard L. Sawyer. We hope that this book will be helpful in examining trends and making comparisons at the local institutional level and thus contribute to a better understanding of student bodies and improved services for individual students.

James Maxey, *Assistant Vice President
and Director of Research Services
Research and Development Division*

Iowa City, Iowa
September 1976

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Chapter 1

INTRODUCTION

This book is an extensive description of the fall 1975 freshman students at 1,128 institutions participating in the ACT Assessment Program. It provides norms for academic abilities by geographical region, college type and control, student age, racial-ethnic background, curricular major, and family income. It also provides norms for nonacademic characteristics by college type and control.

The ACT Assessment Program

The ACT Assessment Program is a comprehensive evaluative, guidance, and placement service for students and educators involved in the transition from high school to college. It is based on the ACT Assessment, which consists of four academic tests, the Student Profile Section, and the Interest Inventory. The program also includes a number of supporting research services.

The four academic tests of the ACT Assessment measure abilities in the subject areas traditionally identified with college and high school programs: English, mathematics, social studies, and

natural sciences. The English test measures students' understanding and use of the basic elements of correct and effective writing; the mathematics test, their mathematical reasoning and problem-solving ability; the social studies test, the evaluative reasoning and problem-solving skills required in the social studies; and the natural science test, the critical reasoning and problem-solving skills required in the natural sciences. The arithmetic average of the scores on these four tests is the ACT Composite score, which may be considered an estimate of overall academic ability.

ACT test scores are reported on a standard scale that ranges from 1 to 36. On this scale, a student's true score is usually within one point either side of the reported score for the ACT Composite and within two score points either side of the reported score for each of the four tests.

When students register for the ACT Assessment, they report the last grade received prior to the senior year of high school in each of the four subject areas.

The arithmetic average of these four grades—the high school average—provides another measure of overall academic ability. The high school average also reflects students' academic motivation and other college grade-related factors. It has been found to be about as predictive of college grades as the commonly used high school rank. For detailed descriptive and technical information about ACT test scores and high school grades, consult the *Technical Report for the ACT Assessment Program* (ACT, 1973).

Another component of the ACT Assessment is the Student Profile Section (SPS). Through the SPS, students describe to colleges certain factors which make them unique—biographical information, extracurricular accomplishments, special academic needs, housing plans, financial need, planned major, and probable vocation. The third component, the ACT Interest Inventory, measures students' preferences for job-related activities in many different types of occupations. All this information, organized into individual Student Profile Reports and various summary research reports, helps students and educators make informed plans and decisions.

A major research service supporting the ACT Assessment is the Class Profile Service. Each year, this service provides every participating college a description of its entering freshman class; in addition, it provides a parallel description of those students who considered the college but did not enroll

there. Information about academic abilities, goals, needs, and other characteristics of each student group is compiled in a series of tables and published in the form of individual Class Profile Reports. The Class Profile Report has proven useful to college officials concerned with public information programs, student personnel functions, admissions, administration, and instruction.

To participate in the Class Profile Service, a college must have been chosen by 25 or more students to receive their ACT scores. Every year ACT automatically sends every such college a roster of these students' names. Colleges that want to participate in the Class Profile Service designate each student on the roster as either enrolled or nonenrolled. If the enrolled students number at least 25, ACT prepares separate Class Profile Reports for enrolled and nonenrolled students.

Every three or four years, ACT aggregates information from the individual Class Profile Reports of enrolled students into a book of national norms called *College Student Profiles*. In this book, ACT test score percentile ranks, high school grade percentages, and frequency distributions for several SPS items are reported for various regions of the country, types of institutions, and subgroups of students. The current edition, third in this series, is based on data obtained from freshmen enrolled in the fall of 1975.

Content and Organization

ACT Score and High School Grade Norms

Norms for the five ACT academic test scores (composite), the four high school grades, and school average are given in Chapter 3. These norms are provided according to the following breakdowns:

1. For all students (overall norms)
2. By type of college (highest degree offered)
3. By control of college (public or private)
4. Jointly by type and control of college
5. By geographical region
6. Jointly by region and type of college
7. By age of student
8. By family income of student
9. By planned educational major of student
10. By racial-ethnic background of student

In addition, each of these categories is broken down further by sex.

College type is determined by the highest degree offered by the institution.

Type 1: Two but less than 4 years of work beyond Grade 12—includes junior colleges, technical institutes, and normal schools offering at least a 2-year program of college level studies.

Type 2: Only the bachelor's or first professional degree—includes those institutions offering courses of study leading to the customary Bachelor of Arts or Bachelor of Science degree and all those degrees which entitle the possessor to enter the profession indicated.

Type 3: Master's and/or second professional degree—includes those institutions offering the customary first graduate degree and any degree earned in the same field after the bachelor's or first professional degree. This type of institution does *not* offer the Doctor of Philosophy or equivalent degrees.

Type 4: Doctor of Philosophy and equivalent degrees—includes those institutions which are considered to be universities.

Type 5: Hospital schools of nursing.

The number of students and the number of colleges represented in categories defined by control, region, and type are shown in Tables 1.1 and 1.2. ACT will furnish on request the names of the institutions in all categories consisting of five or more institutions.

Student Profile Section Norms

Chapter 3 gives frequency distributions for the SPS items concerning educational major and vocational choice,

TABLE 1.1

**Number of Students (Colleges) in Enrolled Class Profile Population,
by Type and Control of School**

Control	Type						Total
	Type 1 2-yr. Coll.	Type 2 4-yr. Coll.	Type 3 Master's	Type 4 Doctorate	Type 5 Nursing	Other	
Public	107,136 (333)	27,467 (64)	994 (14)	133,699 (84)	0 (0)	1,380 (9)	354,776 (604)
Private	17,273 (90)	39,995 (260)	5,031 (69)	17,677 (29)	2,437 (47)	5,121 (29)	97,534 (524)
Total	124,409 (423)	67,462 (324)	100,125 (183)	151,376 (113)	2,437 (47)	6,501 (38)	452,310 (1,128)

TABLE 1.2

**Number of Students (Colleges) in Enrolled Class Profile Population,
by Region and Type of School**

Region	Type						Total
	Type 1 2-yr. Coll.	Type 2 4-yr. Coll.	Type 3 Master's	Type 4 Doctorate	Type 5 Nursing	Other	
Region 1 West Coast	10,647 (35)	2,442 (13)	6,174 (29)	2,511 (8)	0 (0)	0 (0)	21,774 (85)
Region 2 Rocky Great	11,418 (61)	10,563 (51)	9,954 (18)	32,540 (20)	286 (7)	1,642 (5)	66,403 (162)
Region 3 South	28,960 (79)	8,997 (34)	20,716 (34)	22,939 (15)	0 (0)	165 (2)	81,777 (164)
Region 4 Midwest	41,101 (135)	26,696 (145)	29,976 (54)	60,283 (39)	1,557 (30)	2,846 (21)	162,459 (424)
Region 5 South & Southeast	17,008 (67)	12,088 (51)	29,791 (34)	25,688 (15)	504 (7)	334 (4)	85,413 (178)
Region 6 East & Northeast	15,275 (46)	6,676 (30)	3,514 (14)	7,415 (16)	90 (3)	1,514 (6)	34,484 (115)
Total	124,409 (423)	67,462 (324)	100,125 (183)	151,376 (113)	2,137 (47)	6,501 (38)	452,310 (1,128)

Note. ACT will furnish on request the names of institutions in categories where there are 5 or more institutions.

degree aspiration, importance of factors affecting college choice, financial aid considerations, needs for special programs, and racial-ethnic background. Frequency distributions are broken down as follows:

1. All students (overall national norms)
2. Jointly, by type and control of college

In addition, norms are broken down further by sex.

Other Contents

Appendix A is a glossary of the statistical technical terms used in this book. Appendix B contains the Student Profile Section of the ACT Assessment. Appendix C is a technical discussion of the survey errors related to this study. A list of the tables is given in the Index.

Format for Reporting Norms

ACT score norms are reported in percentile ranks, a method of indicating the rank of a given score relative to the scores of a group of people. This concept is best explained by an illustration. According to Table 2.1, for instance, the national percentile rank of a standard score of 20 on the English test is 70 for men, 58 for women, and 64 for men and women combined. This means that 70% of all male students who took the ACT Assessment and who enrolled in Class Profile participating colleges throughout the nation had a standard score of 20 or less on the English test; 58% of all comparable female students had a

standard score of 20 or less on this test; and 64% of all comparable students, without regard to sex, had a standard score of 20 or less.

In the columns of percentile ranks are the mean (average) ACT standard score, the standard deviation (see Appendix A), and the size of the sample on which these statistics are based. Sample size is always one-tenth the size of the entire Class Profile population.

The high school grade norms are reported in percentages, rather than in percentiles. For example, in Table 2.1, 22% of all males who took the ACT Assessment and who enrolled in Class Profile colleges throughout the nation reported an "A" in English; 40% of all females did so; and 31% of the total population of students, male and female, did so. On the scale where A=4, B=3, C=2, D=1, and F=0, the average high school English grade for men is 2.83; for women, 3.22; and for everyone, 3.03.

Note that the sample sizes reported for high school grades are different from those reported for ACT scores. The reason for this difference is that some people who wrote the ACT Assessment did not report high school grades. In fact, the sample sizes for the different high school grades are themselves not all the same; because this variation is usually small, however, only the sample sizes for high school English are reported.

The percentages for high school average (last 3 columns) pertain to high school

average rounded to the nearest whole letter grade.

Like the norms for high school grades, the norms for SPS items are reported in percentages. Thus, Table 3.1 shows that 8% of all male students in Class Profile colleges plan to major in agriculture or forestry, and that for 8% of all male students these fields were the first vocational choice. The corresponding figures for females are 2% and 2%.

The Overall Population and the Sample

The population for this study consists of the fall 1975 enrolled freshmen represented in the ACT Class Profile Service. Of the approximately one million students who took the ACT Assessment during the 1974-75 test year or earlier, 452,310 were identified as 1975 freshmen in the enrolled Class Profile Reports sent to 1,128 participating postsecondary institutions.

For this study all Class Profile enrolled students were listed on magnetic tape in college code order and in alphabetical order within each college. Then every 10th student was selected for a 10% sample. This sampling method closely approximates taking separate, independent random samples from each institution, with the sample size for an institution proportional to the number of students in its enrolled Class Profile Report. One can be confident that the sample upon which the norms are based is highly representative of students in the Class Profile population.

Many colleges with students in the sample have freshmen who did not take the ACT Assessment and who therefore are missing from the population from which the sample was selected. Crockett¹ surveyed the institutions participating in the 1974-75 Class Profile Service to determine the number of full-time freshmen who enrolled at each institution in September 1974. He found that 51% of the freshmen enrolled at institutions participating in the 1974 Class Profile Service had taken the ACT Assessment. There are several explanations for this 49% nonparticipation rate. Some colleges collect ACT scores directly from high school transcripts and do not elect to enter them into the Class Profile Service. Some colleges do not require their students to take entrance examinations, while others exempt special groups of students from test requirements (e.g., adults, vocational-educational, and educationally disadvantaged students). Some colleges accept either SAT or ACT scores. These considerations would, therefore, make it doubtful that the sample in this study is representative of all freshmen at ACT-participating colleges. It is, however, representative of all freshmen who took the ACT Assessment.

It should be noted further that this sample includes only students attending institutions participating in the Class Profile Service. These institutions are located primarily in the Midwest, the Rocky Mountains, the Great Plains, and the South; fewer of them are in the

¹D. S. Crockett, *Survey of ACT-Participating Colleges* (Iowa City, Iowa: The American College Testing Program, 1975).

Northeast, the extreme Northwest, and the Middle Atlantic states. Also, public institutions are represented more frequently than private colleges. The students in the sample are therefore not representative of freshmen in the nation as a whole.

Because the norms in this study are based on a sample rather than on the entire Class Profile population, they differ somewhat from the true norms. This error due to sampling is likely to be insignificant, however, in norms for subgroups with sample sizes of 2,000 or more. A technical discussion of the sampling error and of other errors related to this study is given in Appendix C.

Using the Norms in This Book

The norms in this book can be used in two major contexts: administrative interpretation of local group statistics for evaluation and planning, and individual counseling and guidance.

College officials obtain local norms for their institutions through the ACT Class Profile Service, while high school officials obtain their local norms through the ACT High School Profile Service. In

both cases, officials are interested in comparing their students to particular normative groups. The same is true of special research projects that focus on a specific group of local students. If institutional officials explore the similarities and differences between the local group and an appropriate normative group or groups, they may find results which have implications for evaluating, planning, and decision making. For example, college administrators may discover that their incoming freshmen have special needs, plans, or abilities, when compared to freshmen at colleges of the same type. Similarly, high school officials may discover whether local college-bound students are being adequately prepared for the colleges of their choice.

In addition to their use in local research, the norms in this book can be helpful in precollege guidance and college counseling. For example, college admissions counselors can use the norms to tell individual students or groups of students how their college differs from other colleges of the same type or in the same geographical region. Similarly, counselors can let prospective candidates know how the local enrolled students majoring in a particular subject area compare with similar students nationally.

Chapter 2

ACT SCORE AND HIGH SCHOOL GRADE NORMS

In this chapter, percentile rank distributions of ACT scores and percentage distributions of high school grades are given for various subgroups of students enrolled in college. These subgroups of students are defined by region, type, control of college, age, family income, race, and sex of student. Below are summarized some of the differences among the subgroups in their average test scores and high school grades.

Sex

Men students generally score higher than women students on the ACT mathematics, social studies, and natural sciences tests, and consistently score lower than women students on the English test. This relationship holds for subgroups defined by region, control, and type of school, as well as age, race, and family income of student. Nationally, men score about 2.5 units higher than women on the mathematics and natural sciences test, about 2.0 units higher on the social studies test, and about 1.5 units lower on the English test.

Men students generally have lower self-reported high school grades than women in all four subjects. With very few exceptions, this is true of all subgroups defined by region, control, and type of school, as well as age, race, and family income of student. Nationally, men average .15 to .18 lower than women in mathematics, social studies, and natural sciences, and .39 lower in English.

Age

ACT English scores tend to decrease with students' age. For students 18 years and younger, they average about 18.5 standard score units; for students 25 years and older, they average about 15.3 units.

The other ACT scores show somewhat different age-related variations. They are about the same for students under 18 as for students 18-20 years old (17.9-18.3 standard score units in math and social studies, 21.2-21.3 in natural sciences), but they average about 3 units lower for students 21 and over. However, scores are slightly higher for students 25 and over than for students 21-24.

High school grades also tend to decrease with students' age until age 25, when they increase slightly. In English and social studies they average 3.24-3.27 for students under 18 years, 2.43-2.50 for students 21-24 years, and 2.58-2.61 for students 25 years and older. Natural sciences grades decrease from 3.05 (under 18) to 2.32 (21-24 years) and then increase to 2.46 (25 and over). Mathematics grades decrease from 2.79 (under 18) to 2.22 (21-24 years) and then increase to 2.39 (25 and over).

Family Income

All four ACT scores steadily increase, on the average, as family income increases. Mean scores for students with family incomes under \$3,000 are 12.2-12.3 in mathematics and social studies, 13.7 in English, and 16.4 in natural sciences. Mean scores for students with family incomes above \$20,000 are 19.1 in English, 20.2 in mathematics, 19.8 in social studies, and 22.9 in natural sciences. Scores for students who consider the family's income confidential are about the same as those of students with family incomes of from \$9,000-\$11,999.

High school grades also tend to increase with family income. English grades range from 2.79 for students in the lowest income category to 3.14 for students in the highest income category. High school math grades increase from about 2.44 for students in the lowest category to 2.70 for students in the highest. Social studies

grades vary from 2.80 to 3.20, and natural sciences grades, from 2.61 to 2.93.

Racial-Ethnic Background

There are marked differences among the racial-ethnic groups in their average ACT scores. In general, Black students have the lowest scores with a Composite of 12.2. They are followed by Mexican American/Chicanos (13.9), Puerto Ricans/Spanish-speaking Americans (14.1), American Indians/Eskimos (16.1), Orientals (17.6), and Caucasian Americans (20.0). Students of "Other" racial-ethnic backgrounds have an average ACT Composite score of 17.2, while those who refused to identify their race scored an average of 18.4. Within each group, there is considerable variation among the four test scores, suggesting the influence of cultural and educational background.

The same differences are observable for high school grades. Black students have the lowest high school averages (2.59), followed by Mexican American/Chicanos, Indians, and Puerto Ricans (2.69-2.73), Orientals (2.85), and Caucasian Americans (2.98). "Other" students have a mean high school average of 2.82, and those who chose not to identify their racial-ethnic background earned a 2.87. Again, there is considerable variation among the four subject areas.

Type and Control

ACT scores of students enrolled in 2-year colleges average 15.0 in mathematics, 15.2 in social studies, 15.7 in English, 18.9 in natural sciences, and 16.3 for the Composite. There is not much difference between the scores of students in public and private 2-year colleges.

Students enrolled in public 4-year colleges have an average ACT Composite of 17.6; those enrolled in public master's level colleges have an average Composite of 18.2; and those enrolled in public PhD level colleges have an average Composite of 20.8. These differences are fairly uniform across all four of the subtests.

The average ACT Composite of students enrolled in private 4-year colleges is 19.0; for students enrolled in private master's level colleges it is 20.1; for those enrolled in private PhD level colleges it is 20.6. These differences are fairly uniform across all subtests except for English, where there is no increase from master's to PhD level.

There is little difference between the self-reported high school grades of students in public and private 2-year colleges; both groups average about 2.45 in mathematics, 2.65 in natural sciences, 2.83 in English, and 2.86 in social studies.

Likewise, in all subject areas but English, there is not much difference between the self-reported grades of stu-

dents in public and private 4-year colleges; both groups average about 2.66 in mathematics, 3.08 in social studies, and 2.85 in natural sciences. In English, students enrolled in public 4-year colleges average 2.98, while students in private 4-year colleges average 3.09.

There is greater difference in self-reported high school grades between students enrolled in public and private master's level colleges. In English, students average about 3.01 (public) versus 3.18 (private), in mathematics 2.62 and 2.78, in social studies 3.08 and 3.23, and in natural sciences 2.84 and 2.99.

The self-reported high school grades of students enrolled in PhD level colleges average about .15 higher than those of students enrolled in master's level colleges. Students in the private PhD level colleges also have somewhat higher self-reported grades than those in the public schools.

Region

Students enrolled in Class Profile colleges in the West Coast, Southwest, and East/Northeast regions have average ACT scores of 16.1-16.9 in English, mathematics, and social studies, and 19.7-20.5 in natural sciences. Rocky Mountains/Great Plains and Midwest college students average 18.3-18.4 in English, 19.2-19.5 in mathematics, 18.9-19.1 in social studies, and 22.4-22.1 in natural sciences. Students enrolled in South/Southeast region colleges have somewhat different test scores; they aver-

age 16.4 in mathematics, 16.0 in social studies, 17.0 in English, and 19.7 in natural sciences. Within each geographical region, the trend of ACT scores is to increase with the degree level offered by the college.

Average self-reported high school grades in English are 2.94-2.99 for the West Coast, Southwest, South/Southeast, and East/Northeast college students; 3.08 for Midwest college students; and 3.16 for Rocky Mountains/Great Plains college students.

Self-reported mathematics grades average 2.50 for West Coast students; 2.61-2.63 for Southwest, South/Southeast, and East/Northeast students; and 2.66-2.75 for Midwest and Rocky Mountains/Great Plains students.

Self-reported social studies grades average 2.94-3.05 for West Coast, South/Southeast, and East/Northeast students; 3.08-3.11 for Southwest and Midwest students; and 3.18 for Rocky Mountains/Great Plains students.

Self-reported natural sciences grades average 2.73 for East/Northeast students, approximately 2.80 for South/Southeast and West Coast students, 2.87 for Midwest students, and 2.97 for Rocky Mountains/Great Plains students.

Within each region, high school grades tend to increase with the degree level offered by the college.

TABLE 2.1
Overall National ACT Score and High School Grade Norms
ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	98	99	99	99	99	99	98	99	99	99	99	99	33
32	99	99	99	97	99	98	99	99	99	95	99	97	99	99	99	32
31	99	99	99	96	99	97	98	99	99	91	97	94	99	99	99	31
30	99	99	99	94	98	96	96	98	97	86	94	90	98	99	99	30
29	99	99	99	91	96	94	94	97	96	81	91	86	97	98	97	29
28	99	98	99	87	94	91	91	95	93	76	88	82	94	97	95	28
27	99	97	98	82	91	87	87	93	90	71	85	78	90	94	92	27
26	97	95	96	77	87	82	82	89	86	67	81	74	86	91	89	26
25	96	92	94	72	83	78	76	84	80	62	77	70	90	87	84	25
24	93	88	90	67	79	73	70	79	75	57	73	66	75	83	79	24
23	89	82	85	63	76	70	63	74	69	53	69	61	69	78	74	23
22	84	75	79	60	73	67	57	68	63	48	63	56	63	73	68	22
21	77	66	71	57	70	64	52	63	58	43	59	51	57	67	62	21
20	70	58	64	53	67	60	48	59	54	39	54	47	51	61	57	20
19	63	51	56	50	63	57	44	56	50	34	48	41	46	56	51	19
18	54	43	48	45	59	52	42	53	48	29	43	37	40	50	45	18
17	46	35	40	40	53	47	39	50	45	25	37	31	35	44	40	17
16	39	29	34	35	47	41	37	47	42	20	30	25	30	38	34	16
15	34	25	29	29	42	36	35	44	40	15	23	19	25	33	29	15
14	29	21	25	25	36	31	32	41	36	11	17	14	21	27	24	14
13	25	18	21	21	32	27	28	36	32	7	11	9	16	22	19	13
12	20	14	17	18	28	24	24	32	28	5	7	6	13	17	15	12
11	16	11	14	16	25	20	21	28	25	4	5	4	9	12	11	11
10	12	8	10	13	21	17	17	23	20	3	4	3	6	8	7	10
9	9	6	7	11	17	14	14	19	16	2	3	2	4	5	5	9
8	6	4	5	9	14	12	10	14	12	1	2	2	3	3	3	8
7	4	3	3	7	12	9	8	10	9	1	1	1	1	2	2	7
6	2	2	2	5	9	7	5	7	6	1	1	1	1	1	1	6
5	1	1	1	4	7	5	4	5	4	1	1	1	1	1	1	5
4	1	1	1	3	5	4	2	3	3	1	1	1	1	1	1	4
3	1	1	1	2	3	3	1	2	1	1	1	1	1	1	1	3
2	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	16.9	18.3	17.6	19.2	16.6	17.9	18.7	16.8	17.7	22.3	19.9	21.0	19.4	18.0	18.7	Mean
S.D.	5.3	5.3	5.3	7.6	7.5	7.7	7.6	7.5	7.6	6.5	6.1	6.4	5.9	5.7	5.8	S.D.
Sample size	M: 21,631; W: 23,591; T: 45,222															

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	22	40	31	18	21	19	30	38	34	20	24	22	21	32	27	A (4)
B (3)	42	43	43	30	32	31	38	37	37	34	36	35	49	51	50	B (3)
C (2)	29	15	22	33	29	31	23	18	20	28	23	26	28	17	22	C (2)
D (1)	4	1	3	10	8	9	3	2	3	5	3	4	2	1	1	D (1)
F (0)	0	0	0	1	1	1	0	0	0	1	0	0	0	0	0	F (0)
Not Taken	2	1	1	8	10	9	5	5	5	13	14	13				Not Taken
Mean	2.83	3.22	3.03	2.57	2.72	2.65	2.99	3.17	3.09	2.76	2.93	2.85	2.78	3.01	2.90	Mean
S.D.	.83	.76	.82	.97	.94	.96	.85	.81	.84	.89	.84	.87	.68	.64	.67	S.D.
Sample size	M: 20,935; W: 22,932; T: 43,867															

^aRounded to the nearest whole letter grade

TABLE 2.2

ACT Score and High School Grade Norms for Students Enrolled in 2-Year Colleges

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	33
32	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	32
31	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	31
30	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	30
29	99	99	99	97	99	98	98	99	98	91	96	94	99	99	99	29
28	99	99	99	96	98	97	97	98	97	87	94	91	99	99	99	28
27	99	99	99	94	96	95	95	97	96	84	92	88	97	98	98	27
26	99	98	99	91	94	93	91	95	93	80	90	85	95	97	96	26
25	99	96	98	87	92	90	87	92	90	76	87	82	93	95	94	25
24	98	94	96	84	90	87	83	88	85	72	84	78	89	92	91	24
23	96	90	93	80	88	84	77	84	81	67	80	74	85	89	87	23
22	93	86	89	78	86	82	72	80	76	62	76	70	80	85	83	22
21	89	79	84	75	84	79	67	76	72	58	72	65	75	81	78	21
20	84	72	77	72	81	77	63	72	67	53	67	61	70	76	73	20
19	78	65	71	69	78	73	59	69	64	48	62	55	64	71	68	19
18	71	57	63	64	74	69	57	66	62	42	56	50	58	66	62	18
17	63	49	55	58	69	64	54	63	59	36	49	43	52	60	56	17
16	55	42	48	51	63	57	51	60	56	30	41	36	46	54	50	16
15	49	36	42	44	56	50	49	57	53	23	32	28	40	47	44	15
14	43	31	37	37	50	44	45	54	49	17	24	21	34	40	37	14
13	38	26	32	33	44	39	40	49	45	12	16	14	27	33	30	13
12	32	22	27	28	40	34	35	44	40	8	11	10	21	26	24	12
11	26	18	22	24	35	30	31	39	35	6	8	7	15	19	17	11
10	20	13	17	20	30	25	26	33	30	4	6	5	11	13	12	10
9	15	10	12	16	24	21	21	27	24	3	4	4	4	5	5	9
8	10	7	8	14	20	17	16	21	18	2	3	3	2	3	3	8
7	7	4	5	11	17	14	12	16	14	2	2	2	1	1	1	7
6	4	3	3	8	13	11	9	11	10	1	1	1	1	1	1	6
5	2	1	2	6	10	8	6	8	7	1	1	1	1	1	1	5
4	1	1	1	4	7	6	4	5	4	1	1	1	1	1	1	4
3	1	1	1	3	5	4	2	3	2	1	1	1	1	1	1	3
2	1	1	1	2	3	3	1	2	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	14.8	16.5	15.7	16.1	14.1	15.0	16.1	14.5	15.2	20.0	18.0	18.9	16.8	15.9	16.3	Mean
S.D.	5.1	5.3	5.3	7.0	6.8	7.0	7.4	7.2	7.3	6.2	5.6	6.0	5.4	5.2	5.4	S.D.
Sample size	M: 5,816; W: 6,617; T: 12,433															

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	12	29	21	10	15	12	17	26	22	11	16	14	10	20	15	A (4)
B (3)	39	46	42	27	30	29	37	40	39	30	34	32	46	54	51	B (3)
C (2)	39	21	29	38	33	35	33	24	28	36	28	32	41	25	32	C (2)
D (1)	7	2	4	13	10	11	6	3	4	8	5	6	3	1	2	D (1)
F (0)	1	0	0	2	1	1	0	0	0	0	0	0	0	0	0	F (0)
Not Taken	3	2	3	10	12	11	7	6	6	16	17	17				Not Taken
Mean	2.57	3.04	2.82	2.32	2.55	2.45	2.70	2.95	2.83	2.51	2.74	2.63	2.52	2.81	2.67	Mean
S.D.	.82	.78	.83	.92	.92	.93	.85	.83	.85	.84	.84	.85	.64	.63	.65	S.D.
Sample size	M: 5,564; W: 6,360; T: 11,924															

^aRounded to the nearest whole letter grade

TABLE 2.3

ACT Score and High School Grade Norms for Students Enrolled in 4-Year Colleges

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	98	99	99	99	99	99	98	99	99	99	99	99	33
32	99	99	99	97	99	98	99	99	99	95	99	97	99	99	99	32
31	99	99	99	96	99	97	98	99	99	91	97	94	99	99	99	31
30	99	99	99	94	98	96	97	98	98	87	94	91	98	99	99	30
29	99	99	99	91	97	94	94	97	96	82	91	87	96	99	98	29
28	99	98	99	88	95	91	91	95	93	78	88	83	94	97	95	28
27	98	97	98	83	91	87	88	93	90	73	85	79	90	94	92	27
26	97	95	96	79	87	83	83	89	86	68	81	75	86	90	88	26
25	95	91	93	74	83	79	77	84	81	64	77	71	82	86	84	25
24	92	87	90	69	79	74	71	78	75	60	74	67	76	82	79	24
23	89	81	85	65	76	71	65	73	69	55	69	63	71	78	75	23
22	84	74	78	62	73	68	60	68	64	50	64	57	65	72	69	22
21	8	65	71	59	71	65	54	64	59	46	59	53	60	67	64	21
20	1	57	64	56	67	62	50	59	55	42	55	49	54	62	58	20
19	64	50	58	52	64	58	46	56	52	37	50	44	48	56	53	19
18	56	42	49	48	60	54	44	54	49	32	45	39	43	51	47	18
17	48	35	41	44	55	50	42	51	47	27	39	33	38	46	42	17
16	42	29	35	38	49	44	39	48	44	22	32	27	33	40	37	16
15	36	25	30	32	44	38	37	45	41	17	24	21	28	34	31	15
14	32	21	26	27	38	33	34	41	38	13	18	16	23	29	26	14
13	27	17	22	24	34	29	30	37	34	9	12	11	19	23	21	13
12	23	14	18	21	30	26	27	33	30	6	8	7	15	18	17	12
11	19	11	15	18	27	23	23	29	26	5	6	5	11	13	12	11
10	14	9	11	15	23	19	19	25	22	3	4	4	8	9	9	10
9	11	7	8	13	19	16	16	20	18	3	3	3	6	6	6	9
8	7	5	6	11	16	14	12	15	14	2	2	2	4	4	4	8
7	5	3	4	9	13	11	9	11	10	1	1	1	2	2	2	7
6	3	2	2	7	10	8	7	8	7	1	1	1	1	1	1	6
5	2	1	1	5	8	6	5	5	5	1	1	1	1	1	1	5
4	1	1	1	3	5	4	3	3	3	1	1	1	1	1	1	4
3	1	1	1	2	4	3	2	2	2	1	1	1	1	1	1	3
2	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	16.6	18.4	17.5	18.7	16.3	17.5	18.3	16.7	17.4	21.8	19.8	20.7	19.0	17.9	18.4	Mean
S.D.	5.5	5.4	5.5	7.8	7.6	7.8	7.8	7.6	7.7	6.7	6.1	6.5	6.1	5.8	6.0	S.D.
Sample size	M: 3,170; W: 3,580; T: 6,750															

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	23	40	32	18	21	20	29	39	34	21	24	23	22	33	28	A (4)
B (3)	41	42	41	30	32	31	38	36	37	32	35	34	49	49	49	B (3)
C (2)	30	15	22	32	28	30	24	18	21	29	23	26	28	17	22	C (2)
D (1)	4	1	3	10	7	9	3	3	3	5	3	4	2	1	1	D (1)
F (0)	0	0	0	1	1	1	0	0	0	1	0	0	0	0	0	F (0)
Not Taken	2	1	1	9	11	10	6	5	5	13	15	14				Not Taken
Mean	2.83	3.22	3.04	2.59	2.74	2.67	2.99	3.16	3.08	2.77	2.94	2.86	2.79	3.02	2.91	Mean
S.D.	.84	.76	.82	.97	.93	.95	.85	.82	.84	.90	.84	.87	.69	.65	.68	S.D.
Sample size	M: 3,046; W: 3,470; T: 6,516															

^aRounded to the nearest whole letter grade

TABLE 2.4

ACT Score and High School Grade Norms for Students Enrolled in Master's Level Colleges

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	33
32	99	99	99	98	99	99	99	99	99	99	99	99	99	99	99	32
31	99	99	99	97	99	98	99	99	99	99	99	99	99	99	99	31
30	99	99	99	96	98	97	97	99	98	88	95	92	99	99	99	30
29	99	99	99	94	97	95	95	98	97	84	92	88	98	98	98	29
28	99	98	99	90	95	92	93	96	94	79	89	84	95	97	96	28
27	99	97	98	85	92	88	89	93	91	74	86	81	92	95	94	27
26	98	95	96	80	88	84	83	90	87	70	82	76	88	92	90	26
25	96	92	94	74	84	79	77	86	82	65	78	72	83	89	86	25
24	94	88	91	69	80	75	71	81	76	60	74	68	77	85	81	24
23	90	83	86	65	78	72	65	75	70	55	70	63	72	80	76	23
22	85	75	80	62	74	69	59	70	64	50	65	58	65	75	70	22
21	79	66	72	59	71	65	53	65	59	45	60	53	59	69	64	21
20	72	58	65	55	68	62	49	60	55	41	55	48	53	63	59	20
19	65	51	57	51	64	58	45	57	51	35	49	43	48	57	53	19
18	56	43	49	47	59	54	43	54	49	30	44	38	42	51	47	18
17	47	35	40	42	54	48	41	51	46	25	38	32	37	45	41	17
16	39	29	34	36	47	42	38	48	44	20	31	26	31	39	35	16
15	33	24	28	31	42	36	36	45	41	14	23	19	26	32	29	15
14	28	20	24	26	36	31	33	41	37	10	17	14	20	26	23	14
13	24	17	20	22	32	27	29	37	33	7	11	9	16	21	18	13
12	19	13	16	19	28	24	25	33	29	4	7	6	12	16	14	12
11	15	10	13	16	25	21	21	28	25	3	5	4	9	12	10	11
10	11	7	9	13	21	18	17	24	21	2	3	3	6	6	7	10
9	8	5	7	11	17	14	13	18	16	2	3	2	4	5	4	9
8	5	4	4	9	14	12	10	14	12	1	2	2	2	3	3	8
7	3	2	3	7	11	9	7	10	9	1	1	1	1	1	1	7
6	2	2	2	5	9	7	5	7	6	1	1	1	1	1	1	6
5	1	1	1	4	6	5	4	5	4	1	1	1	1	1	1	5
4	1	1	1	3	5	4	2	3	3	1	1	1	1	1	1	4
3	1	1	1	2	3	2	1	2	1	1	1	1	1	1	1	3
2	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	16.8	18.4	17.6	18.8	16.5	17.6	18.5	16.6	17.5	22.0	19.7	20.8	19.1	17.9	18.5	Mean
S.D.	5.1	5.2	5.2	7.4	7.3	7.5	7.5	7.3	7.5	6.3	6.0	6.2	5.7	5.5	5.6	S.D.
Sample Size	M: 4,660; W: 5,335; T: 9,995															

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	21	40	31	17	21	19	30	40	35	15	25	22	20	33	27	A (4)
B (3)	43	43	43	30	33	31	39	37	38	35	36	35	51	50	51	B (3)
C (2)	30	14	22	34	28	31	23	17	20	28	23	25	28	17	22	C (2)
D (1)	4	1	3	10	8	9	3	2	2	5	3	4	2	1	1	D (1)
F (0)	0	0	0	1	0	1	0	0	0	1	0	0	0	0	0	F (0)
Not Taken	2	1	1	8	10	9	5	5	5	13	13	13				Not Taken
Mean	2.82	3.22	3.03	2.55	2.72	2.64	3.00	3.20	3.11	2.76	2.95	2.86	2.77	3.02	2.90	Mean
S.D.	.82	.76	.81	.96	.94	.95	.84	.80	.82	.88	.84	.86	.67	.64	.66	S.D.
Sample size	M: 4,552; W: 5,211; T: 9,763															

^aRounded to the nearest whole letter grade

TABLE 2.5

ACT Score and High School Grade Norms for Students Enrolled in PhD Level Colleges

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	98	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	97	99	98	99	99	99	96	99	98	99	99	99	33
32	99	99	99	96	98	97	99	99	99	92	98	95	99	99	99	32
31	99	99	99	93	98	95	97	99	98	87	95	91	99	99	99	31
30	99	99	99	90	96	93	94	98	96	79	91	85	97	98	98	30
29	99	98	99	85	94	89	91	96	94	72	87	79	95	97	96	29
28	99	97	98	79	90	85	87	93	90	66	83	74	90	94	92	28
27	98	95	96	72	85	79	81	89	85	60	78	69	85	91	88	27
26	96	92	94	65	80	72	74	84	79	55	73	64	78	86	82	26
25	93	88	91	58	75	66	66	78	72	49	68	59	70	81	75	25
24	89	82	86	52	69	61	58	71	65	45	64	54	62	75	68	24
23	84	75	80	47	66	56	51	64	58	40	58	49	55	68	61	23
22	76	66	71	44	62	53	45	58	51	34	52	43	48	61	54	22
21	57	56	62	41	58	49	39	53	46	30	47	38	41	55	48	21
20	59	47	53	37	55	46	35	48	41	26	42	34	35	48	41	20
19	50	39	45	33	50	42	32	44	38	22	36	29	29	42	36	19
18	41	31	36	29	45	37	29	41	35	18	31	25	25	36	30	18
17	33	25	29	25	40	32	27	38	32	15	26	20	20	30	25	17
16	26	20	23	20	34	27	25	36	30	11	20	16	16	25	21	16
15	21	16	19	16	29	23	23	33	28	8	15	12	13	20	17	15
14	17	13	15	13	24	19	20	29	25	6	11	8	10	16	13	14
13	14	11	13	11	21	16	17	26	21	4	7	6	8	13	10	13
12	11	9	10	9	18	14	14	22	18	2	5	4	6	9	7	12
11	8	7	8	8	16	12	12	19	15	2	3	2	4	7	5	11
10	6	5	5	6	13	10	10	15	12	1	2	2	2	5	3	10
9	4	3	4	5	11	8	8	11	9	1	2	1	2	3	2	9
8	3	2	2	4	9	6	6	9	7	1	1	1	1	2	1	8
7	2	1	1	3	7	5	4	6	5	1	1	1	1	1	1	7
6	1	1	1	2	5	4	3	4	4	1	1	1	1	1	1	6
5	1	1	1	2	4	3	2	3	2	1	1	1	1	1	1	5
4	1	1	1	1	3	2	1	1	1	1	1	1	1	1	1	4
3	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	3
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	18.5	19.7	19.1	22.1	18.9	20.5	21.0	18.8	19.9	24.3	21.5	22.9	21.6	19.9	20.8	Mean
S.D.	4.8	5.0	4.9	7.0	7.3	7.3	7.0	7.2	7.2	6.1	6.0	6.2	5.3	5.5	5.5	S.D.
Sample size	M: 7,611; W: 7,392; T: 15,003															

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	29	48	39	24	26	25	40	47	43	26	31	28	29	40	34	A (4)
B (3)	46	40	43	33	34	34	38	35	36	37	37	37	51	49	50	B (3)
C (2)	22	11	16	29	26	27	16	13	15	23	19	21	19	12	15	C (2)
D (1)	3	1	2	8	7	8	2	1	2	4	3	3	1	0	1	D (1)
F (0)	0	0	0	1	1	1	0	0	0	1	0	0	0	0	0	F (0)
Not Taken	1	0	1	5	7	6	4	4	4	10	11	10				Not Taken
Mean	3.02	3.36	3.19	2.73	2.84	2.78	3.20	3.32	3.26	2.93	3.07	3.00	2.96	3.15	3.05	Mean
S.D.	.80	.70	.77	.97	.93	.95	.79	.76	.78	.87	.82	.85	.65	.61	.64	S.D.
Sample size	M: 7,413; W: 7,238; T: 14,651															

^aRounded to the nearest whole letter grade

TABLE 2.6

ACT Score and High School Grade Norms for Students Enrolled in Schools of Nursing

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	33
32	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	32
31	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	31
30	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	30
29	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	29
28	99	98	98	99	95	95	75	97	97	75	92	91	99	98	98	28
27	99	97	97	99	92	92	50	94	93	75	82	82	99	96	97	27
26	99	95	95	99	86	86	50	88	87	75	77	77	99	94	94	26
25	99	93	93	99	78	78	50	82	81	75	71	71	99	90	90	25
24	99	89	89	99	70	70	50	75	75	63	63	63	99	84	85	24
23	99	83	83	99	64	65	38	67	67	50	53	53	99	76	76	23
22	99	73	74	99	61	61	25	60	60	50	45	45	88	65	66	22
21	88	59	60	99	57	58	25	54	53	50	40	40	50	56	56	21
20	63	46	46	88	52	53	25	47	47	38	34	34	25	46	46	20
19	50	36	36	63	46	46	25	42	42	13	28	28	25	35	35	19
18	50	26	27	50	40	40	25	37	36	1	22	22	25	24	24	18
17	50	19	20	38	33	33	25	32	32	1	16	16	25	16	16	17
16	50	14	15	25	27	27	25	30	30	1	11	11	25	11	11	16
15	38	9	10	25	23	23	25	27	27	1	6	6	25	8	8	15
14	25	6	7	25	19	19	25	23	23	1	4	4	13	5	5	14
13	25	4	4	25	15	15	25	17	17	1	2	2	1	3	3	13
12	25	2	2	25	13	13	25	12	12	1	1	1	1	2	2	12
11	13	1	1	13	10	10	25	8	8	1	1	1	1	1	1	11
10	1	1	1	1	8	8	25	6	6	1	1	1	1	1	1	10
9	1	1	1	1	6	6	25	4	4	1	1	1	1	1	1	9
8	1	1	1	1	4	4	25	3	3	1	1	1	1	1	1	8
7	1	1	1	1	2	2	25	2	2	1	1	1	1	1	1	7
6	1	1	1	1	1	1	25	1	1	1	1	1	1	1	1	6
5	1	1	1	1	1	1	13	1	1	1	1	1	1	1	1	5
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	16.7	20.0	19.9	16.7	19.5	19.5	21.0	19.4	19.5	23.2	22.2	22.2	19.5	20.4	20.4	Mean
S.D.	4.0	3.6	3.7	3.5	6.0	5.9	9.5	5.7	5.8	4.3	4.8	4.8	3.2	3.7	3.7	S.D.
Sample size	M: 4;	W: 242;	T: 246													

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	25	44	44	0	20	20	0	42	41	0	25	25	0	36	36	A (4)
B (3)	75	46	47	25	40	40	100	42	43	50	47	47	100	54	55	B (3)
C (2)	0	8	8	75	25	25	0	11	11	50	20	20	0	10	10	C (2)
D (1)	0	1	1	0	6	6	0	1	1	0	2	2	0	0	0	D (1)
F (0)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	F (0)
Not Taken	0	1	1	0	9	9	0	4	4	0	6	6				Not Taken
Mean	3.25	3.34	3.34	2.25	2.80	2.79	3.00	3.30	3.30	2.50	3.01	3.00	2.75	3.12	3.11	Mean
S.D.	.43	.66	.66	.43	.87	.86	.00	.71	.70	.50	.76	.75	.00	.55	.54	S.D.
Sample size	M: 4;	W: 237;	T: 241													

^aRounded to the nearest whole letter grade

TABLE 2.7

ACT Score and High School Grade Norms for Students Enrolled in Public Colleges

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	98	99	99	99	99	99	98	99	99	99	99	99	33
32	99	99	99	98	99	98	99	99	99	95	99	97	99	99	99	32
31	99	99	99	97	99	98	98	99	99	92	97	94	99	99	99	31
30	99	99	99	95	98	96	96	97	99	87	95	91	99	99	99	30
29	99	99	99	92	97	94	91	95	98	82	92	87	97	98	98	29
28	99	98	99	88	94	91	88	92	96	77	89	83	95	97	96	28
27	99	97	98	83	91	87	83	88	93	72	86	79	91	95	93	27
26	98	95	96	78	88	83	83	90	86	67	82	75	87	92	89	26
25	96	92	94	73	84	78	77	85	81	63	78	70	81	88	85	25
24	93	88	91	68	80	74	71	80	76	58	74	66	76	84	80	24
23	90	83	86	64	77	71	64	75	70	53	70	62	70	79	75	23
22	85	76	80	60	74	68	58	69	64	48	64	56	64	74	69	22
21	78	67	73	57	71	64	53	65	59	44	60	52	58	68	63	21
20	71	59	65	54	68	61	48	60	54	39	55	47	52	63	58	20
19	64	52	57	50	64	57	45	57	51	34	49	42	46	57	52	19
18	55	44	49	46	60	53	42	54	48	30	44	37	41	51	46	18
17	47	36	41	41	54	48	40	51	46	25	38	31	36	45	41	17
16	40	30	35	35	48	42	37	48	43	20	31	25	30	39	35	16
15	34	25	29	30	43	36	35	45	40	15	23	19	25	33	30	15
14	29	21	25	25	37	31	32	42	37	11	17	14	21	27	24	14
13	25	18	21	21	33	27	28	37	33	7	11	9	16	22	19	13
12	20	14	17	18	29	24	24	33	29	5	7	6	12	17	15	12
11	16	11	14	16	25	21	21	29	25	4	5	4	9	12	11	11
10	12	8	7	13	22	18	17	24	21	2	4	3	6	8	7	10
9	9	6	7	11	18	14	14	19	16	2	3	2	4	5	5	9
8	6	4	5	9	15	12	10	15	12	1	2	2	2	3	3	8
7	4	3	3	7	12	10	7	11	9	1	1	1	1	2	2	7
6	2	2	2	5	9	7	5	8	6	1	1	1	1	1	1	6
5	1	1	1	4	7	5	4	5	4	1	1	1	1	1	1	5
4	1	1	1	3	5	4	2	3	3	1	1	1	1	1	1	4
3	1	1	1	2	3	3	1	2	1	1	1	1	1	1	1	3
2	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	16.8	18.2	17.5	19.1	16.4	17.7	18.6	16.6	17.6	22.2	19.7	20.9	19.3	17.9	18.6	Mean
S.D.	5.2	5.3	5.3	7.6	7.4	7.6	7.5	7.4	7.5	6.4	6.0	6.3	5.8	5.6	5.8	S.D.
Sample size	M: 17,174; W: 18,141; T: 35,315															

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	21	39	30	17	20	19	29	38	34	19	24	21	20	31	26	A (4)
B (3)	43	43	43	30	32	31	38	37	38	34	36	35	50	51	50	B (3)
C (2)	30	15	22	33	29	31	24	18	21	29	23	26	28	17	23	C (2)
D (1)	4	1	3	11	8	9	4	2	3	5	3	4	2	1	1	D (1)
F (0)	0	0	0	1	0	1	0	0	0	1	0	0	0	0	0	F (0)
Not Taken	2	1	1	8	10	9	5	5	5	13	14	13				Not Taken
Mean	2.80	3.21	3.01	2.54	2.71	2.63	2.98	3.16	3.07	2.75	2.92	2.84	2.76	3.00	2.88	Mean
S.D.	.83	.76	.82	.97	.93	.95	.85	.81	.84	.88	.84	.87	.68	.64	.67	S.D.
Sample size	M: 16,629; W: 17,651; T: 34,280															

^aRounded to the nearest whole letter grade

TABLE 2.8

ACT Score and High School Grade Norms for Students Enrolled in Private Colleges

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	98	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	97	99	99	99	99	99	99	99	99	99	99	99	33
32	99	99	99	96	99	99	99	99	99	99	99	99	99	99	99	32
31	99	99	99	94	98	97	97	99	99	99	99	99	99	99	99	31
30	99	99	99	92	97	95	92	99	99	99	99	99	99	99	99	30
29	99	98	99	89	95	92	89	99	99	99	99	99	99	99	99	29
28	99	97	98	84	93	89	89	99	99	99	99	99	99	99	99	28
27	98	96	97	79	89	84	84	99	99	99	99	99	99	99	99	27
26	96	93	95	73	85	79	79	99	99	99	99	99	99	99	99	26
25	94	90	92	67	80	74	74	99	99	99	99	99	99	99	99	25
24	91	85	88	63	76	70	70	99	99	99	99	99	99	99	99	24
23	86	79	82	59	72	66	64	99	99	99	99	99	99	99	99	23
22	80	71	75	57	69	64	64	99	99	99	99	99	99	99	99	22
21	77	62	67	54	66	61	61	99	99	99	99	99	99	99	99	21
20	72	54	60	51	63	58	58	99	99	99	99	99	99	99	99	20
19	67	46	52	47	59	54	54	99	99	99	99	99	99	99	99	19
18	61	39	45	44	55	50	50	99	99	99	99	99	99	99	99	18
17	55	32	37	39	50	45	45	99	99	99	99	99	99	99	99	17
16	50	27	31	33	44	39	39	99	99	99	99	99	99	99	99	16
15	45	23	27	28	38	34	34	99	99	99	99	99	99	99	99	15
14	40	19	23	24	33	29	29	99	99	99	99	99	99	99	99	14
13	35	17	20	20	29	25	25	99	99	99	99	99	99	99	99	13
12	30	14	16	18	26	22	22	99	99	99	99	99	99	99	99	12
11	25	11	13	15	23	19	19	99	99	99	99	99	99	99	99	11
10	20	8	10	12	19	16	16	99	99	99	99	99	99	99	99	10
9	15	6	8	10	16	13	13	99	99	99	99	99	99	99	99	9
8	10	4	6	8	13	11	11	99	99	99	99	99	99	99	99	8
7	7	3	4	7	11	9	9	99	99	99	99	99	99	99	99	7
6	5	2	2	5	8	7	7	99	99	99	99	99	99	99	99	6
5	3	1	1	4	6	5	5	99	99	99	99	99	99	99	99	5
4	1	1	1	3	4	4	4	99	99	99	99	99	99	99	99	4
3	1	1	1	2	3	2	2	99	99	99	99	99	99	99	99	3
2	1	1	1	1	2	2	2	99	99	99	99	99	99	99	99	2
1	1	1	1	1	1	1	1	99	99	99	99	99	99	99	99	1
Mean	17.2	18.7	18.0	19.8	17.3	18.4	18.2	22.5	20.3	21.3	19.8	18.6	19.1	Mean		
S.D.	5.5	5.5	5.6	7.9	7.6	7.8	7.8	6.8	6.3	6.6	6.2	5.9	6.1	S.D.		
Sample size	M: 4,376, W: 5,386, T: 9,762															

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	26	42	35	21	23	22	33	40	37	23	26	25	26	35	31	A (4)
B (3)	42	41	41	31	33	32	37	37	37	32	36	34	48	48	48	B (3)
C (2)	26	15	20	31	27	29	22	16	19	28	22	25	25	16	20	C (2)
D (1)	4	1	2	9	8	8	3	2	2	5	3	4	1	1	1	D (1)
F (0)	0	0	0	1	1	1	0	0	0	1	0	0	0	0	0	F (0)
Not Taken	2	1	1	8	9	8	5	5	5	12	12	12				Not Taken
Mean	2.92	3.25	3.10	2.67	2.76	2.72	3.06	3.19	3.13	2.81	2.97	2.90	2.86	3.04	2.96	Mean
S.D.	.84	.75	.81	.97	.95	.96	.84	.81	.83	.90	.84	.87	.69	.65	.68	S.D.
Sample size	M: 4,227; W: 5,221; T: 9,448															

^aRounded to the nearest whole letter grade

TABLE 2.9

ACT Score and High School Grade Norms for Students Enrolled in Public 2-Year Colleges

ACT SCORE PERCENTILE RANKS

Percentile Rank	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score	
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T		
96	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
95	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
94	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
93	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	33
92	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	32
91	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	31
90	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	30
89	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	29
88	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	28
87	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	27
86	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	26
85	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	25
84	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	24
83	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	23
82	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	22
81	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	21
80	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	20
79	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	19
78	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	18
77	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	17
76	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	16
75	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	15
74	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	14
73	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	13
72	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	12
71	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	11
70	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	10
69	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	9
68	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	8
67	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	7
66	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	6
65	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	5
64	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	4
63	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	3
62	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	2
61	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	1
Mean	14.8	16.5	15.7	16.1	14.1	15.0	16.1	14.4	15.2	20.0	18.0	18.9	16.8	15.9	16.3	Mean	
S.D.	5.1	5.2	5.2	7.0	6.8	7.0	7.3	7.1	7.3	6.2	5.6	6.0	5.4	5.2	5.3	S.D.	
Sample size	M: 5,046; W: 5,665; T: 10,711																

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade	
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T		
A (4)	12	29	21	9	14	12	17	26	22	10	16	13	9	20	15	A (4)	
B (3)	38	46	43	26	30	29	37	40	38	29	34	32	47	55	51	B (3)	
C (2)	40	21	30	38	33	36	33	25	29	36	29	32	41	24	32	C (2)	
D (1)	6	2	4	14	9	11	6	3	5	8	4	6	3	1	2	D (1)	
F (0)	1	0	0	2	1	1	0	0	0	0	0	0	0	0	0	F (0)	
Not Taken	3	2	3	10	12	11	7	6	6	17	17	17				Not Taken	
Mean	2.56	3.04	2.81	2.32	2.55	2.44	2.69	2.94	2.82	2.50	2.73	2.62	2.51	2.81	2.67	Mean	
S.D.	.81	.77	.83	.92	.91	.92	.85	.83	.85	.84	.83	.85	.63	.62	.64	S.D.	
Sample size	M: 4,830; W: 5,455; T: 10,285																

^aRounded to the nearest whole letter grade

TABLE 2.10

ACT Score and High School Grade Norms for Students Enrolled in Public 4-Year Colleges

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	33
32	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	32
31	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	31
30	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	30
29	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	29
28	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	28
27	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	27
26	98	97	97	82	92	87	82	92	87	71	87	79	89	94	92	26
25	96	94	95	77	89	83	82	92	87	67	83	75	85	91	88	25
24	94	90	92	73	85	79	73	85	79	62	80	71	80	88	84	24
23	91	86	88	69	83	76	69	83	76	58	76	67	75	85	80	23
22	87	80	83	66	81	73	63	81	73	54	74	62	69	80	75	22
21	81	72	76	63	78	71	58	78	71	49	67	58	63	76	70	21
20	74	64	69	60	75	68	54	75	68	45	63	54	58	71	64	20
19	67	57	62	56	72	64	50	63	64	40	57	49	46	60	53	19
18	59	49	54	52	68	60	48	61	60	35	53	44	42	54	48	18
17	51	41	46	47	63	55	45	59	52	30	47	38	36	48	42	17
16	45	34	39	41	58	49	42	56	49	24	39	31	31	42	36	16
15	39	29	34	35	52	43	40	53	46	18	30	24	26	35	31	15
14	34	25	30	30	46	38	37	49	43	13	22	18	21	29	25	14
13	30	21	25	26	41	34	33	44	38	9	15	12	17	23	20	13
12	25	17	21	24	37	30	29	39	34	6	10	8	12	17	14	12
11	20	13	17	20	33	26	26	35	30	4	5	4	8	12	10	11
10	16	11	13	17	29	23	22	30	26	3	4	3	6	7	6	10
9	11	8	10	14	24	19	17	24	21	2	3	2	3	4	4	9
8	8	6	7	12	20	16	13	19	16	1	2	1	2	3	2	8
7	5	3	4	9	17	13	10	15	12	1	1	1	1	2	1	7
6	3	2	3	7	13	10	7	10	9	1	1	1	1	1	1	6
5	2	1	2	5	10	7	5	7	6	1	1	1	1	1	1	5
4	1	1	1	3	7	5	3	4	3	1	1	1	1	1	1	4
3	1	1	1	2	5	4	2	2	2	1	1	1	1	1	1	3
2	1	1	1	2	3	2	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	16.2	17.5	16.8	18.0	14.8	16.4	17.6	15.3	16.5	21.4	18.6	20.0	18.4	16.7	17.6	Mean
S.D.	5.4	5.3	5.4	7.7	7.3	7.7	7.6	7.4	7.6	6.4	5.8	6.3	5.9	5.6	5.8	S.D.
Sample size	M: 1,396; W: 1,347; T: 2,743															

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	22	37	29	18	20	19	30	38	34	21	24	23	22	31	26	A (4)
B (3)	41	44	42	29	31	30	38	35	36	32	33	32	48	51	49	B (3)
C (2)	31	17	24	32	28	30	23	19	21	28	23	25	28	18	23	C (2)
D (1)	5	2	3	11	7	9	4	3	3	5	4	4	2	1	1	D (1)
F (0)	0	0	0	1	1	1	0	0	0	1	0	0	0	0	0	F (0)
Not Taken	1	1	1	8	14	11	5	5	5	1	16	15				Not Taken
Mean	2.79	3.17	2.98	2.57	2.74	2.65	2.99	3.13	3.06	2.79	2.92	2.85	2.78	2.99	2.88	Mean
S.D.	.85	.77	.83	.98	.92	.95	.86	.84	.86	.90	.86	.89	.70	.65	.69	S.D.
Sample size	M: 1,334; W: 1,294; T: 2,628															

^aRounded to the nearest whole letter grade

TABLE 2.11

ACT Score and High School Grade Norms for Students Enrolled in Public Master's Level Colleges

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	33
32	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	32
31	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	31
30	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	30
29	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	29
28	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	28
27	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	27
26	98	96	97	86	85	86	85	91	88	71	83	78	90	93	92	26
25	97	93	95	77	85	81	79	87	84	67	79	74	85	90	88	25
24	95	90	92	72	82	77	74	83	78	62	76	70	79	86	83	24
23	91	84	87	68	79	74	67	77	73	57	72	65	74	82	78	23
22	87	77	81	64	76	71	61	72	67	52	66	60	68	77	73	22
21	81	68	74	61	73	67	56	67	62	47	61	55	62	71	67	21
20	74	60	66	57	69	64	51	62	57	42	56	50	56	65	61	20
19	67	52	59	53	65	60	47	59	53	37	51	44	50	59	55	19
18	58	44	50	49	61	56	45	56	51	32	45	39	44	53	49	18
17	48	36	42	44	56	50	42	53	48	26	39	33	39	47	43	17
16	41	30	35	38	49	44	40	50	45	21	32	27	33	40	37	16
15	35	25	30	32	43	38	37	47	42	15	24	20	27	34	31	15
14	30	21	25	27	37	33	34	43	39	11	17	14	21	27	25	14
13	25	17	21	23	33	29	30	39	35	7	17	9	16	21	19	13
12	21	14	17	20	30	25	26	34	30	5	15	6	12	16	15	12
11	16	10	13	17	26	22	22	29	26	3	11	4	9	12	11	11
10	12	8	10	14	22	19	18	24	21	2	11	3	6	8	7	10
9	8	5	7	12	18	15	14	19	17	2	11	2	4	5	5	9
8	5	4	5	9	15	12	10	14	13	1	11	2	2	3	3	8
7	3	2	3	8	12	10	7	11	9	1	11	1	1	2	1	7
6	2	2	2	6	9	7	5	7	6	1	11	1	1	1	1	6
5	1	1	1	4	7	6	3	5	4	1	11	1	1	1	1	5
4	1	1	1	3	5	4	2	3	3	1	11	1	1	1	1	4
3	1	1	1	2	3	3	1	2	1	1	11	1	1	1	1	3
2	1	1	1	1	2	2	1	1	1	1	11	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	11	1	1	1	1	1
Mean	16.6	18.2	17.4	18.4	16.2	17.2	18.2	16.3	17.2	21.7	19.5	20.5	18.8	17.7	18.2	Mean
S.D.	5.0	5.1	5.1	7.3	7.3	7.4	7.4	7.3	7.4	6.2	5.9	6.1	5.6	5.4	5.5	S.D.
Sample size	M: 3,931; W: 4,550; T: 8,491															

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	19	39	30	15	20	18	28	39	34	17	24	21	18	32	25	A (4)
B (3)	43	43	43	29	33	31	39	37	38	35	36	35	51	51	51	B (3)
C (2)	32	15	23	34	28	31	24	17	20	29	23	26	29	17	23	C (2)
D (1)	4	1	3	11	8	9	3	2	3	5	3	4	2	1	1	D (1)
F (0)	0	0	0	1	0	1	0	0	0	1	0	0	0	0	0	F (0)
Not Taken	2	1	1	7	10	9	5	5	5	13	14	14				Not Taken
Mean	2.77	3.21	3.01	2.91	2.71	2.62	2.96	3.19	3.08	2.72	2.94	2.84	2.73	3.01	2.85	Mean
S.D.	.82	.76	.81	.95	.93	.95	.84	.80	.83	.87	.84	.86	.66	.64	.66	S.D.
Sample size	M: 3,838; W: 4,455; T: 8,293															

^a Rounding to the nearest whole letter grade

TABLE 2.12

ACT Score and High School Grade Norms for Students Enrolled in Public PhD Level Colleges

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36		99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35		99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34		99	99	98	99	99	99	99	99	99	99	99	99	99	99	34
33		99	99	97	99	98	99	99	99	97	99	98	99	99	99	33
32		99	99	96	98	97	99	99	99	93	98	95	99	99	99	32
31		99	99	94	98	96	97	99	98	87	95	91	99	99	99	31
30		99	99	90	96	93	95	98	96	80	91	85	98	98	98	30
29		97	98	86	94	90	92	96	94	72	87	79	97	97	96	29
28		97	98	80	90	85	87	93	90	66	83	74	91	94	92	28
27		95	96	73	85	79	82	89	85	60	78	69	85	91	88	27
26		92	94	66	80	73	75	84	79	55	73	64	78	86	82	26
25		88	91	59	75	66	67	78	72	50	68	59	70	81	75	25
24		82	86	53	69	61	59	71	65	45	63	54	62	75	68	24
23		76	80	48	65	57	51	64	58	40	58	48	55	68	61	23
22		66	72	45	62	53	45	58	51	34	52	43	48	61	55	22
21		56	62	41	58	49	40	53	46	30	47	38	42	54	48	21
20		47	53	37	54	46	36	48	41	26	41	33	36	48	42	20
19		39	45	33	50	41	32	44	38	22	36	28	30	42	36	19
18		31	36	29	45	37	30	41	35	18	31	24	25	36	30	18
17		24	28	25	39	32	27	38	32	14	25	20	20	30	25	17
16		19	23	20	34	27	25	35	30	11	20	15	16	25	20	16
15		15	18	16	29	22	23	33	28	8	15	11	13	20	16	15
14		12	15	13	24	19	20	29	24	5	10	8	10	15	13	14
13		10	12	11	21	16	17	25	21	4	7	5	8	12	10	13
12		8	10	9	18	14	15	21	18	2	4	3	5	9	9	12
11		6	7	8	16	12	12	18	15	2	3	2	4	6	6	11
10		4	5	6	13	10	10	14	12	1	2	2	2	4	4	10
9		3	3	5	11	8	7	11	9	1	1	1	1	3	3	9
8		2	2	4	9	6	5	8	7	1	1	1	1	2	2	8
7		1	1	3	7	5	4	6	5	1	1	1	1	1	1	7
6		1	1	2	5	4	3	4	3	1	1	1	1	1	1	6
5		1	1	2	4	3	2	2	2	1	1	1	1	1	1	5
4		1	1	1	2	2	1	1	1	1	1	1	1	1	1	4
3		1	1	1	2	1	1	1	1	1	1	1	1	1	1	3
2		1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	18.5	19.8	19.1	22.0	19.0	20.5	20.9	18.9	19.9	24.3	21.6	23.0	21.6	19.9	20.8	Mean
S.D.	4.7	4.9	4.8	7.0	7.3	7.3	6.9	7.1	7.1	6.0	5.9	6.1	5.3	5.4	5.4	S.D.
Sample size	M: 6,755; W: 6,478; T: 13,233															

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A(4)	28	48	38	23	25	24	39	47	43	26	30	28	29	39	34	A(4)
B(3)	46	40	43	33	34	33	38	35	37	37	37	37	51	49	50	B(3)
C(2)	22	11	16	29	26	28	16	13	15	23	19	21	19	12	16	C(2)
D(1)	3	1	2	9	7	8	2	1	2	4	3	3	1	0	1	D(1)
F(0)	0	0	0	1	0	1	0	0	0	1	0	0	0	0	0	F(0)
Not Taken	1	0	1	5	7	6	4	3	4	10	11	10				Not Taken
Mean	3.00	3.36	3.18	2.71	2.83	2.77	3.19	3.32	3.26	2.92	3.07	2.99	2.95	3.14	3.04	Mean
S.D.	.80	.70	.78	.98	.93	.96	.80	.76	.78	.87	.82	.85	.66	.60	.64	S.D.
Sample size	M: 6,583; W: 6,357; T: 12,940															

^a Rounded to the nearest whole letter grade

TABLE 2.13

ACT Score and High School Grade Norms for Students Enrolled in Private 2-Year Colleges

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	33
32	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	32
31	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	31
30	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	30
29	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	29
28	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	28
27	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	27
26	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	26
25	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	25
24	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	24
23	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	23
22	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	22
21	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	21
20	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	20
19	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	19
18	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	18
17	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	17
16	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	16
15	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	15
14	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	14
13	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	13
12	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	12
11	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	11
10	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	10
9	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	9
8	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	8
7	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	7
6	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	6
5	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	5
4	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	4
3	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	3
2	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	2
1	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	1
Mean	14.9	16.6	15.9	16.1	14.0	14.9	16.0	14.6	15.2	20.0	18.0	18.9	16.8	15.9	16.3	Mean
S.D.	5.3	5.4	5.4	6.9	7.1	7.1	7.6	7.3	7.5	6.5	5.7	6.1	5.7	5.5	5.6	S.D.
Sample size	M: 770, W: 952, T: 1,722															

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	15	14	24	11	17	14	20	14	24	12	20	17	14	24	19	A (4)
B (3)	30	30	41	27	29	28	38	34	39	22	33	33	46	49	48	B (3)
C (2)	34	33	28	41	30	36	30	26	25	34	26	29	38	26	31	C (2)
D (1)	7	5	5	12	11	12	4	6	4	8	6	6	1	1	2	D (1)
F (0)	1	0	0	1	1	1	1	0	0	1	0	0	0	0	0	F (0)
Not Taken	4	2	3	9	11	10	8	7	7	13	15	14				Not Taken
Mean	2.63	3.03	2.85	2.38	2.55	2.47	2.78	2.89	2.89	2.56	2.80	2.69	2.56	2.84	2.72	Mean
S.D.	.85	.81	.85	.90	.98	.95	.85	.85	.85	.86	.88	.88	.87	.67	.68	S.D.
Sample size	M: 734, W: 905, T: 1,639															

^aRounded to the nearest whole letter grade

TABLE 2.14

ACT Score and High School Grade Norms for Students Enrolled in Private 4-Year Colleges

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	33
32	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	32
31	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	31
30	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	30
29	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	29
28	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	28
27	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	27
26	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	26
25	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	25
24	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	24
23	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	23
22	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	22
21	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	21
20	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	20
19	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	19
18	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	18
17	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	17
16	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	16
15	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	15
14	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	14
13	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	13
12	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	12
11	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	11
10	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	10
9	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	9
8	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	8
7	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	7
6	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	6
5	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	5
4	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	4
3	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	3
2	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	2
1	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	1
Mean	16.9	18.9	18.0	17.3	18.2	18.3	17.5	18.1	22.2	20.5	21.2	19.4	18.7	19.0	Mean	
S.D.	5.5	5.3	5.5	7.7	7.8	7.9	7.5	7.7	6.8	6.2	6.5	6.2	5.8	6.0	S.D.	
Sample size	M: 1,774; W: 2,233; T: 4,007															

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	24	43	34	18	21	20	29	39	35	20	24	22	22	34	29	A (4)
B (3)	41	41	41	30	32	31	38	37	38	31	37	34	49	48	49	B (3)
C (2)	29	15	21	31	28	29	24	17	20	30	22	26	27	17	21	C (2)
D (1)	4	1	2	10	8	8	3	2	3	5	3	4	2	1	1	D (1)
F (0)	0	0	0	1	1	1	0	0	0	1	0	0	0	0	0	F (0)
Not Taken	3	1	2	9	10	10	6	4	5	12	14	13				Not Taken
Mean	2.87	3.26	3.09	2.60	2.74	2.68	2.98	3.16	3.09	2.75	2.95	2.86	2.80	3.03	2.93	Mean
S.D.	.83	.75	.81	.97	.94	.95	.84	.81	.83	.90	.82	.86	.68	.64	.67	S.D.
Sample size	M: 1,712; W: 2,175; T: 3,887															

^a Rounding to the nearest whole number.



TABLE 2.15

ACT Score and High School Grade Norms for Students Enrolled in Private Master's Level Colleges

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	98	99	98	99	99	99	97	99	98	99	99	99	33
32	99	99	99	96	98	97	98	99	99	93	97	95	99	99	99	32
31	99	99	99	95	97	96	96	98	97	88	94	91	99	99	99	31
30	99	98	99	93	96	94	94	97	95	83	91	87	98	97	97	30
29	99	96	98	89	94	91	92	95	93	76	88	82	95	96	95	29
28	99	94	96	82	91	87	88	92	90	71	84	78	90	93	92	28
27	98	92	95	75	87	81	82	88	85	66	80	73	85	89	87	27
26	96	89	92	68	82	75	74	84	79	60	75	68	79	85	82	26
25	94	85	89	61	77	69	66	78	72	53	69	62	73	80	77	25
24	90	80	85	55	72	64	58	71	65	49	65	57	67	76	71	24
23	84	74	79	51	69	60	51	64	58	45	60	53	59	70	65	23
22	78	66	72	49	66	58	46	58	52	41	56	48	51	63	57	22
21	71	57	64	47	62	55	41	53	48	36	51	44	46	57	51	21
20	63	49	56	44	58	51	37	49	43	32	46	39	41	52	46	20
19	54	41	48	40	53	47	34	45	40	28	41	35	36	47	42	19
18	46	34	40	36	48	42	33	42	38	24	36	30	31	40	36	18
17	38	27	32	32	43	38	31	40	36	20	31	25	26	34	30	17
16	30	22	26	26	38	32	30	38	34	16	25	21	22	29	26	16
15	23	18	21	21	33	27	28	36	32	12	19	16	17	24	21	15
14	19	15	17	17	28	23	26	32	29	9	13	11	14	20	17	14
13	16	13	14	16	24	20	22	29	26	6	8	7	12	15	14	13
12	13	11	12	14	20	17	18	27	23	4	5	5	10	11	11	12
11	10	8	9	12	17	14	16	23	20	3	3	3	8	8	8	11
10	8	6	7	10	14	12	13	20	17	3	2	2	6	5	5	10
9	7	4	5	8	11	10	10	15	13	2	2	2	4	3	3	9
8	5	3	4	7	9	8	8	11	9	2	1	2	2	2	2	8
7	4	1	3	5	7	6	6	7	7	1	1	1	1	1	1	7
6	3	1	2	4	5	5	4	5	5	1	1	1	1	1	1	6
5	2	1	1	3	4	3	4	3	4	1	1	1	1	1	1	5
4	1	1	1	2	3	2	3	2	2	1	1	1	1	1	1	4
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	18.0	19.7	18.9	21.0	18.4	19.7	20.4	18.5	19.4	23.3	21.1	22.1	20.8	19.5	20.1	Mean
S.D.	5.1	5.4	5.4	7.5	7.3	7.5	7.6	7.6	7.7	6.6	6.2	6.5	5.9	5.8	5.9	S.D.
Sample size	M: 729; W: 775; T: 1,504															

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	32	44	38	25	26	26	41	42	41	28	30	29	31	37	34	A (4)
B (3)	43	42	43	32	33	32	36	38	37	35	35	35	50	49	49	B (3)
C (2)	21	11	16	28	26	27	17	13	15	23	21	22	19	13	16	C (2)
D (1)	3	2	2	8	9	8	2	2	2	3	3	3	1	1	1	D (1)
F (0)	0	0	0	1	1	1	0	0	0	0	1	0	0	0	0	F (0)
Not Taken	1	0	1	5	6	6	4	5	5	10	11	11				Not Taken
Mean	3.05	3.29	3.18	2.77	2.78	2.78	3.21	3.25	3.23	2.97	3.02	2.99	2.99	3.07	3.03	Mean
S.D.	.81	.74	.79	.97	.97	.97	.80	.79	.79	.86	.86	.86	.66	.63	.65	S.D.
Sample size	M: 714; W: 756; T: 1,470															

^aRounded to the nearest whole letter grade

TABLE 2.16

ACT Score and High School Grade Norms for Students Enrolled in Private PhD Level Colleges

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composition			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	98	99	99	99	99	99	98	99	99	99	99	99	34
33	99	99	99	96	99	98	99	99	99	95	99	97	99	99	99	33
32	99	99	99	94	99	96	98	99	99	91	97	94	99	99	99	32
31	99	99	99	92	98	95	96	99	97	84	94	89	93	99	99	31
30	99	99	99	88	96	92	92	98	95	77	90	84	96	98	97	30
29	99	98	99	82	94	88	88	96	92	70	86	78	92	97	95	29
28	98	97	97	75	90	83	84	93	89	64	82	73	87	94	91	28
27	96	95	96	67	85	76	78	89	84	59	78	69	81	90	86	27
26	94	92	93	59	80	70	71	84	78	54	75	64	75	86	80	26
25	91	88	90	52	75	64	62	78	70	48	71	60	66	81	74	25
24	87	82	84	46	70	59	53	72	63	44	67	56	58	74	67	24
23	81	75	78	43	67	55	46	65	56	39	62	51	51	69	60	23
22	73	66	69	40	63	52	40	59	50	34	56	45	44	63	54	22
21	64	55	59	38	60	49	36	54	45	30	51	41	38	56	47	21
20	56	47	51	35	56	46	31	49	40	26	46	36	32	50	41	20
19	48	40	44	31	52	42	28	46	37	22	40	31	27	44	36	19
18	40	34	37	27	47	38	26	43	35	18	35	27	23	38	31	18
17	32	29	30	23	41	33	24	40	32	15	31	23	20	32	26	17
16	26	24	25	19	36	28	22	38	30	12	26	19	16	28	22	16
15	21	21	21	15	31	23	21	35	28	9	21	15	13	25	19	15
14	18	19	18	13	25	19	18	32	25	7	17	12	10	21	16	14
13	15	17	16	10	21	16	16	28	23	5	12	9	8	18	13	13
12	13	14	14	9	19	14	14	25	20	3	9	6	6	14	10	12
11	11	12	11	7	16	12	12	22	17	2	7	5	5	11	8	11
10	8	10	9	5	13	10	10	18	14	1	5	3	3	9	6	10
9	6	8	7	4	11	8	8	14	11	1	4	3	2	6	4	9
8	4	6	5	3	9	6	7	11	9	1	3	2	1	4	3	8
7	3	4	4	2	8	5	5	9	7	1	3	2	1	2	2	7
6	2	3	2	1	6	4	3	8	6	1	2	1	1	1	1	6
5	1	1	1	1	5	3	2	6	4	1	1	1	1	1	1	5
4	1	1	1	1	3	2	1	4	3	1	1	1	1	1	1	4
3	1	1	1	1	3	2	1	2	2	1	1	1	1	1	1	3
2	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	18.6	19.1	18.9	22.7	18.7	20.6	21.5	18.3	19.9	24.4	20.8	22.5	22.0	19.4	20.6	Mean
S.D.	5.3	5.7	5.5	7.0	7.5	7.5	7.2	7.6	7.6	6.4	6.7	6.8	5.6	6.1	6.0	S.D.
Sample size	M: 856, W: 914, T: 1,770															

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	35	49	42	28	29	29	44	48	46	30	35	32	35	43	39	A (4)
B (3)	46	40	43	36	36	36	37	33	35	34	35	34	50	46	48	B (3)
C (2)	17	10	13	25	25	25	15	12	14	23	20	22	14	10	12	C (2)
D (1)	1	0	1	6	6	6	1	2	2	4	3	3	0	0	0	D (1)
F (0)	0	0	0	1	1	1	0	0	0	1	0	0	0	0	0	F (0)
Not Taken	0	1	1	4	4	4	3	4	4	9	8	8				Not Taken
Mean	3.15	3.39	3.27	2.88	2.91	2.90	3.27	3.33	3.30	2.97	3.10	3.04	3.06	3.18	3.12	Mean
S.D.	.76	.67	.72	.93	.92	.92	.77	.75	.78	.90	.84	.87	.63	.63	.63	S.D.
Sample size	M: 830, W: 831, T: 1,711															

^aRounded to the nearest whole letter grade

TABLE 2.17

ACT Score and High School Grade Norms for Students Enrolled in West Coast Region Colleges

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	33
32	99	99	99	99	99	99	99	99	99	96	99	98	99	99	99	32
31	99	99	99	99	99	99	99	99	99	93	98	96	99	99	99	31
30	99	99	99	98	99	98	98	99	99	90	96	93	99	99	99	30
29	99	99	99	96	98	97	96	98	97	85	93	89	99	99	99	29
28	99	99	99	93	97	95	95	97	96	79	90	85	97	99	98	28
27	99	96	98	90	95	92	91	95	93	74	87	80	95	97	96	27
26	99	96	97	86	93	89	86	92	89	69	83	76	91	95	93	26
25	98	93	96	81	90	86	81	88	84	65	79	72	87	92	89	25
24	97	90	93	76	88	82	75	83	79	60	76	68	82	88	85	24
23	94	86	90	73	85	79	68	78	73	56	72	64	76	85	81	23
22	90	80	84	70	82	76	62	73	68	51	67	59	71	80	75	22
21	85	72	78	67	80	74	57	68	63	46	63	55	65	74	70	21
20	79	64	71	64	77	71	52	64	58	42	58	50	59	68	64	20
19	72	57	64	60	74	67	48	61	54	36	52	44	53	62	58	19
18	63	49	56	55	70	63	45	58	52	31	45	38	46	57	52	18
17	54	41	47	50	66	58	42	55	49	25	39	32	40	51	46	17
16	46	35	40	44	59	52	39	52	46	21	32	27	34	45	40	16
15	39	30	35	36	52	44	36	50	43	17	25	21	29	38	34	15
14	35	26	30	30	44	37	33	46	40	12	17	15	24	32	28	14
13	30	23	27	25	39	32	29	42	36	9	12	10	19	26	22	13
12	26	19	22	22	35	28	26	37	32	7	8	7	15	20	18	12
11	22	15	18	19	31	25	23	32	27	5	6	6	11	15	13	11
10	17	11	14	15	26	21	19	27	23	4	5	4	9	10	9	10
9	13	8	10	13	21	17	14	21	18	3	4	3	6	7	6	9
8	8	5	6	11	18	15	11	16	14	2	3	2	4	4	4	8
7	5	3	4	9	14	12	8	12	10	1	2	2	2	2	2	7
6	3	1	1	7	11	9	6	9	7	1	1	1	1	1	1	6
5	2	1	1	6	8	7	4	6	5	1	1	1	1	1	1	5
4	1	1	1	5	6	5	3	4	3	1	1	1	1	1	1	4
3	1	1	1	4	4	4	2	2	2	1	1	1	1	1	1	3
2	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	15.8	17.5	16.7	17.5	14.9	16.1	18.0	15.8	16.9	21.7	19.4	20.5	18.3	17.0	17.7	Mean
S.D.	5.2	5.3	5.3	7.3	6.9	7.2	7.4	7.4	7.5	6.5	6.0	6.3	5.6	5.5	5.6	S.D.
Sample size	M: 1,055. W: 1,122. T: 2,177															

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	19	39	29	14	16	15	22	31	27	16	25	20	15	25	20	A (4)
B (3)	39	40	39	25	30	28	39	40	40	32	32	32	51	53	52	B (3)
C (2)	33	18	26	40	33	36	28	22	25	33	26	29	31	20	26	C (2)
D (1)	5	2	3	11	10	10	4	2	3	6	3	4	3	1	2	D (1)
F (0)	1	0	0	1	1	1	1	0	1	1	0	1	0	0	0	F (0)
Not Taken	3	2	2	.9	1	1	6	5	5	12	14	13				Not Taken
Mean	2.73	3.17	2.96	2.43	2.57	2.50	2.82	3.04	2.94	2.64	2.91	2.78	2.65	2.91	2.78	Mean
S.D.	.86	.79	.85	.93	.93	.94	.88	.81	.85	.89	.86	.88	.68	.63	.66	S.D.
Sample size	M: 1,022; W: 1,079; T: 2,101															

^aRounded to the nearest whole letter grade

TABLE 2.18

ACT Score and High School Grade Norms for Students Enrolled in Rocky Mountains/Great Plains Region Colleges

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score		
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T			
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36		
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35		
34	99	99	99	96	99	99	99	99	99	99	99	99	99	99	99	34		
33	99	99	99	97	99	98	99	99	99	97	99	98	99	99	99	33		
32	99	99	99	96	99	98	99	99	99	93	98	95	99	99	99	32		
31	99	99	99	92	97	95	97	99	98	88	95	92	99	99	99	31		
30	99	99	99	88	96	92	93	96	95	81	92	87	98	99	98	30		
29	99	98	99	88	96	92	93	96	95	75	88	82	96	98	97	29		
28	99	98	98	83	93	88	89	94	92	69	84	76	92	96	94	28		
27	98	96	97	77	89	83	85	91	88	63	80	72	87	93	90	27		
26	97	94	95	71	84	77	78	87	83	58	76	67	81	89	85	26		
25	95	91	93	64	78	71	71	82	77	52	71	62	74	84	79	25		
24	92	86	89	59	73	66	64	77	70	48	67	58	68	79	74	24		
23	87	80	83	55	70	63	57	70	64	43	62	53	61	73	67	23		
22	80	72	76	52	67	60	50	65	58	38	56	47	54	68	61	22		
21	72	63	67	49	64	57	45	59	52	34	51	43	48	62	55	21		
20	64	54	59	46	60	53	40	54	47	30	46	38	43	55	49	20		
19	56	46	51	42	56	49	37	50	44	26	40	33	37	49	43	19		
18	48	37	42	38	52	45	35	48	42	21	35	29	32	43	38	18		
17	40	29	34	33	46	40	32	45	39	18	30	24	27	37	32	17		
16	33	24	28	28	41	35	30	42	36	14	23	18	23	31	27	16		
15	28	19	24	24	35	30	28	39	34	10	17	13	19	25	22	15		
14	24	16	20	20	30	25	25	35	30	7	11	9	15	20	18	14		
13	20	13	17	17	26	22	21	31	26	4	7	6	11	15	13	13		
12	17	11	14	15	23	19	18	27	23	3	4	4	8	11	10	12		
11	13	8	10	12	20	16	15	23	19	2	3	2	6	8	7	11		
10	9	5	7	10	17	14	13	18	16	1	2	1	4	5	5	10		
9	7	4	5	8	14	11	10	14	12	1	1	1	3	3	3	9		
8	4	2	3	7	11	9	7	10	9	1	1	1	2	1	2	8		
7	3	1	2	5	9	7	5	7	6	1	1	1	1	1	1	7		
6	2	1	1	4	6	5	4	5	4	1	1	1	1	1	1	6		
5	1	1	1	3	5	4	2	3	3	1	1	1	1	1	1	5		
4	1	1	1	2	3	2	1	2	2	1	1	1	1	1	1	4		
3	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	3		
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2		
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Mean	17.6	19.0	18.3	20.6	17.8	19.2	20.0	17.8	18.9	23.8	21.1	22.4	20.5	19.1	19.8	Mean		
S.D.	5.1	5.0	5.1	7.6	7.4	7.6	7.2	7.2	7.3	6.2	5.9	6.2	5.7	5.5	5.6	S.D.		
Sample size	M: 3,236; W: 3,404; T: 6,640																	

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade		
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T			
A (4)	29	46	38	23	23	23	36	44	40	25	29	27	29	37	33	A (4)		
B (3)	42	40	41	30	33	32	37	36	36	34	34	34	47	49	48	B (3)		
C (2)	25	12	18	30	27	29	20	15	18	25	21	23	22	13	18	C (2)		
D (1)	3	1	2	9	6	8	3	2	2	4	3	3	2	1	1	D (1)		
F (0)	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	F (0)		
Not Taken	1	1	1	7	10	9	4	?	3	11	13	12				Not Taken		
Mean	2.97	3.33	3.16	2.71	2.79	2.75	3.10	3.25	3.18	2.90	3.03	2.97	2.92	3.10	3.01	Mean		
S.D.	.83	.72	.80	.98	.92	.95	.85	.80	.82	.88	.84	.87	.70	.63	.67	S.D.		
Sample size	M: 3,125; W: 3,305; T: 6,430																	

^aRounded to the nearest whole letter grade

TABLE 2.19

ACT Score and High School Grade Norms for Students Enrolled in Southwest Region Colleges

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	33
32	99	99	99	99	99	99	99	99	99	97	99	98	99	99	99	32
31	99	99	99	98	99	99	99	99	99	99	97	96	99	99	99	31
30	99	99	99	97	99	98	99	99	99	94	97	96	99	99	99	30
29	99	99	99	97	99	98	99	99	99	91	95	93	99	99	99	29
28	99	99	99	95	98	97	99	99	99	87	93	90	99	99	99	28
27	99	99	99	93	97	95	99	99	99	82	90	86	97	98	97	27
26	99	99	99	90	95	93	99	99	99	78	86	83	94	96	95	26
25	98	96	97	87	92	90	99	99	99	74	85	80	91	94	93	25
24	96	94	95	82	89	86	99	99	99	69	82	76	87	91	89	24
23	95	90	92	78	85	82	99	99	99	65	79	72	83	87	85	23
22	92	86	89	74	82	78	99	99	99	61	75	68	78	83	81	22
21	88	79	84	71	80	75	99	99	99	56	70	63	73	79	76	21
20	83	71	77	68	77	73	99	99	99	52	66	59	67	74	71	20
19	77	63	70	65	74	70	99	99	99	47	61	54	62	69	66	19
18	70	56	63	61	71	66	99	99	99	42	56	49	56	64	60	18
17	62	46	55	57	67	62	99	99	99	37	51	44	50	59	55	17
16	54	41	47	52	62	57	99	99	99	32	45	39	45	53	49	16
15	47	35	41	45	56	51	99	99	99	27	37	32	39	47	43	15
14	40	29	35	39	49	44	99	99	99	21	29	25	34	40	37	14
13	35	25	30	33	43	38	99	99	99	15	21	18	29	34	31	13
12	30	21	26	28	38	33	99	99	99	11	14	13	24	28	26	12
11	26	17	21	25	34	30	99	99	99	7	9	8	18	22	20	11
10	21	14	17	21	30	26	99	99	99	6	6	6	14	16	15	10
9	16	11	13	18	25	22	99	99	99	4	5	4	10	12	11	9
8	12	8	10	15	21	18	99	99	99	3	4	3	7	8	7	8
7	8	6	7	13	18	15	99	99	99	2	3	2	4	4	4	7
6	6	4	5	10	14	12	99	99	99	1	2	1	2	2	2	6
5	4	2	3	7	11	9	99	99	99	1	1	1	1	1	1	5
4	2	1	2	5	8	7	99	99	99	1	1	1	1	1	1	4
3	1	1	1	4	6	5	99	99	99	1	1	1	1	1	1	3
2	1	1	1	3	4	3	99	99	99	1	1	1	1	1	1	2
1	1	1	1	2	3	2	99	99	99	1	1	1	1	1	1	1
1	1	1	1	1	1	1	99	99	99	1	1	1	1	1	1	1
Mean	15.9	17.6	16.8	17.2	15.2	16.2	17.1	15.4	16.3	20.9	18.9	19.8	17.9	18.9	17.4	Mean
S.D.	5.3	5.4	5.4	7.4	7.1	7.3	7.8	7.5	7.7	6.5	6.0	6.3	5.9	5.6	5.8	S.D.
Sample size	M: 3,933; W: 4,245; T: 8,178															

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	20	39	30	16	21	19	29	40	35	18	25	22	20	33	27	A (4)
B (3)	40	41	41	29	32	31	37	34	36	33	35	34	48	48	48	B (3)
C (2)	32	16	24	36	29	32	24	18	21	31	22	26	30	18	24	C (2)
D (1)	5	1	3	11	8	9	3	2	3	5	3	4	2	1	1	D (1)
F (0)	0	0	0	1	0	1	0	0	0	1	0	0	0	0	0	F (0)
Not Taken	2	2	2	7	9	8	6	6	6	13	14	13				Not Taken
Mean	2.76	3.20	2.99	2.52	2.73	2.63	2.97	3.18	3.08	2.71	2.95	2.83	2.73	3.01	2.88	Mean
S.D.	.85	.78	.84	.95	.94	.95	.86	.83	.85	.88	.85	.87	.68	.65	.68	S.D.
Sample size	M: 3,788; W: 4,099; T: 7,887															

^aRounded to the nearest whole letter grade

TABLE 2.20

ACT Score and High School Grade Norms for Students Enrolled in Midwest Region Colleges

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	98	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	97	99	98	99	99	99	97	99	98	99	99	99	33
32	99	99	99	96	98	97	99	99	99	94	98	96	99	99	99	32
31	99	99	99	94	98	96	97	99	98	89	96	93	99	99	99	31
30	99	99	99	91	96	94	95	98	97	83	93	88	98	99	98	30
29	99	98	99	87	94	91	93	97	95	77	89	83	95	97	96	29
28	99	97	98	81	91	86	89	94	92	72	85	79	92	95	94	28
27	98	96	97	75	86	81	84	90	87	67	81	74	88	92	90	27
26	97	94	95	69	82	76	78	86	82	62	77	70	82	88	85	26
25	95	90	91	63	77	70	71	80	75	56	72	64	75	83	79	25
24	91	85	86	57	73	65	64	73	69	51	67	59	68	77	73	24
23	86	78	82	53	69	62	57	67	62	46	62	54	62	72	67	23
22	80	70	75	50	66	58	51	61	56	41	56	49	55	65	60	22
21	73	60	66	47	62	55	45	56	51	36	50	44	49	59	54	21
20	64	51	58	43	59	51	41	52	46	32	45	39	43	53	48	20
19	56	44	50	40	54	47	38	48	43	27	40	34	37	47	42	19
18	48	37	42	36	50	43	35	45	40	23	35	29	32	41	36	18
17	40	29	34	31	44	38	32	42	37	19	29	24	27	35	31	17
16	33	24	29	26	39	32	30	39	35	14	23	19	22	30	26	16
15	28	20	24	21	34	28	28	36	32	11	17	14	18	25	21	15
14	23	16	20	18	29	24	25	33	29	7	12	10	14	20	17	14
13	19	13	16	15	25	21	22	29	25	5	8	7	11	15	13	13
12	16	10	13	13	22	18	18	25	22	3	5	4	8	11	10	12
11	12	8	10	11	19	15	15	21	18	2	4	3	6	8	8	11
10	9	6	7	9	16	13	12	17	15	2	3	2	4	5	4	10
9	6	4	5	7	13	10	9	13	11	1	2	2	2	3	2	9
8	4	3	3	6	11	8	7	10	8	1	1	1	1	2	1	8
7	2	2	2	5	9	7	5	7	6	1	1	1	1	1	1	7
6	1	1	1	3	6	5	3	5	4	1	1	1	1	1	1	6
5	1	1	1	2	5	4	2	3	3	1	1	1	1	1	1	5
4	1	1	1	2	3	3	1	2	2	1	1	1	1	1	1	4
3	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	3
2	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	17.7	19.2	18.4	21.0	18.2	19.5	20.0	18.2	19.1	23.3	21.0	22.1	20.6	19.3	19.9	Mean
S.D.	5.1	5.1	5.1	7.4	7.6	7.6	7.2	7.3	7.3	6.2	6.0	6.2	5.6	5.6	5.6	S.D.
Sample size	M: 7,677; W: 8,420; T: 16,097															

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	23	42	33	18	21	20	31	39	35	21	24	22	22	32	27	A (4)
B (3)	45	43	44	31	33	32	39	38	39	34	38	36	51	52	51	B (3)
C (2)	26	13	19	32	28	30	22	17	19	27	23	25	26	16	21	C (2)
D (1)	4	1	2	11	8	9	3	2	3	5	3	4	1	0	1	D (1)
F (0)	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	F (0)
Not Taken	2	1	1	7	9	8	5	4	4	13	12	12				Not Taken
Mean	2.88	3.26	3.08	2.59	2.73	2.66	3.02	3.18	3.11	2.80	2.93	2.87	2.82	3.02	2.92	Mean
S.D.	.81	.73	.79	.97	.93	.95	.84	.80	.82	.87	.83	.85	.67	.62	.65	S.D.
Sample size	M: 7,514; W: 8,261; T: 15,775															

^aRounded to the nearest whole letter grade

TABLE 2.21
ACT Score and High School Grade Norms for
Students Enrolled in South/Southeast Region Colleges
ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score		
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T			
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36		
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35		
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34		
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	33		
32	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	32		
31	99	99	99	98	99	99	99	99	99	99	99	99	99	99	99	31		
30	99	99	99	97	99	98	97	99	98	90	97	94	99	99	99	30		
29	99	99	99	95	98	97	96	98	97	86	95	90	98	99	98	29		
28	99	98	99	92	97	95	93	97	95	81	93	87	96	98	97	28		
27	99	97	98	89	94	92	90	95	93	78	90	84	93	96	95	27		
26	98	96	97	84	92	88	86	92	89	74	87	81	90	94	92	26		
25	96	93	95	79	89	84	81	88	85	70	84	77	86	92	89	25		
24	94	90	92	75	85	80	76	84	80	66	81	74	81	89	85	24		
23	90	85	88	71	83	77	70	79	75	61	77	69	76	85	81	23		
22	86	78	82	68	80	75	65	75	70	56	72	65	71	80	76	22		
21	80	71	75	65	77	72	60	71	66	52	68	60	65	75	70	21		
20	74	63	68	62	75	68	56	67	62	47	63	56	60	70	65	20		
19	67	56	61	57	71	65	52	63	58	42	58	50	54	64	60	19		
18	59	47	53	53	67	60	50	61	56	37	53	45	49	58	54	18		
17	50	40	45	48	61	55	47	58	53	31	46	39	43	53	48	17		
16	43	34	38	42	55	49	44	55	50	25	38	32	38	47	43	16		
15	37	28	32	35	49	43	42	52	47	9	30	25	32	41	36	15		
14	32	25	28	30	44	37	39	48	44	14	22	18	26	34	31	14		
13	28	21	24	26	39	33	34	44	39	10	15	13	21	28	25	13		
12	23	17	20	22	35	29	30	39	35	7	10	9	16	23	20	12		
11	18	14	16	19	31	26	26	35	31	5	7	6	12	17	15	11		
10	14	11	12	16	27	22	22	30	26	3	5	4	8	12	10	10		
9	10	8	9	13	22	18	18	24	21	3	4	3	6	8	7	9		
8	7	6	6	11	19	15	14	19	17	2	3	2	4	5	4	8		
7	4	4	4	9	15	12	11	14	12	1	2	1	2	2	2	7		
6	3	2	3	7	12	9	8	10	9	1	1	1	1	1	1	6		
5	2	1	1	5	9	7	5	7	6	1	1	1	1	1	1	5		
4	1	1	1	4	6	5	3	4	4	1	1	1	1	1	1	4		
3	1	1	1	3	4	3	2	2	2	1	1	1	1	1	1	3		
2	1	1	1	2	3	2	1	1	1	1	1	1	1	1	1	2		
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Mean	16.3	17.7	17.0	17.8	15.1	16.4	17.3	15.4	16.3	21.0	18.5	19.7	18.2	16.8	17.5	Mean		
S.D.	5.3	5.5	5.4	7.4	7.2	7.4	7.7	7.5	7.6	6.5	5.8	6.3	5.9	5.6	5.8	S.D.		
Sample size	M: 4,013; W: 4,523; T: 8,536																	

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade		
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T			
A (4)	18	35	27	16	20	18	28	36	32	17	24	21	19	30	25	A (4)		
B (3)	40	43	42	30	32	31	36	37	36	33	35	34	48	50	49	B (3)		
C (2)	34	18	26	33	28	31	25	18	22	29	22	25	32	19	25	C (2)		
D (1)	5	2	3	12	8	10	4	2	3	6	4	5	2	1	1	D (1)		
F (0)	0	0	0	2	1	1	0	0	0	1	0	1	0	0	0	F (0)		
Not Taken	2	1	2	8	10	9	7	7	7	14	15	15				Not Taken		
Mean	2.71	3.13	2.94	2.51	2.70	2.61	2.94	3.14	3.05	2.68	2.92	2.81	2.70	2.97	2.85	Mean		
S.D.	.84	.78	.83	.97	.95	.96	.87	.82	.85	.90	.86	.89	.69	.66	.68	S.D.		
Sample size	M: 3,859; W: 4,400; T: 8,259																	

^aRounded to the nearest whole letter grade

TABLE 2.22

ACT Score and High School Grade Norms for Students Enrolled in East/Northeast Region Colleges

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	33
32	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	32
31	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	31
30	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	30
29	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	29
28	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	28
27	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	27
26	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	26
25	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	25
24	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	24
23	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	23
22	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	22
21	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	21
20	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	20
19	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	19
18	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	18
17	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	17
16	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	16
15	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	15
14	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	14
13	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	13
12	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	12
11	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	11
10	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	10
9	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	9
8	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	8
7	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	7
6	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	6
5	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	5
4	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	4
3	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	3
2	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	2
1	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	1
Mean	15.8	17.0	16.4	18.1	15.4	16.7	17.9	15.4	16.6	21.0	18.5	19.7	18.3	16.7	17.5	Mean
S.D.	5.5	5.6	5.6	7.5	7.2	7.5	7.8	7.4	7.7	6.7	6.1	6.5	6.0	5.7	5.9	S.D.
Sample size	M: 1,636; W: 1,813; T: 3,449															

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	19	32	26	17	19	18	27	31	29	16	18	17	17	25	21	A (4)
B (3)	44	47	45	30	34	32	40	40	40	33	36	35	51	54	53	B (3)
C (2)	30	18	23	33	29	31	26	22	24	30	28	29	30	20	25	C (2)
D (1)	4	2	3	10	9	9	4	3	3	6	3	5	2	1	1	D (1)
F (0)	1	0	0	3	1	2	0	0	0	1	0	1	0	0	0	F (0)
Not Taken	2	2	2	8	9	9	4	4	4	14	14	14				Not Taken
Mean	2.79	3.11	2.96	2.54	2.68	2.62	2.93	3.03	2.98	2.67	2.79	2.73	2.72	2.90	2.82	Mean
S.D.	.83	.75	.81	1.00	.93	.97	.84	.83	.84	.88	.83	.86	.66	.64	.66	S.D.
Sample size	M: 1,548; W: 1,728; T: 3,276															

^aRounded to the nearest whole letter grade

TABLE 2.23

ACT Score and High School Grade Norms for Students Enrolled in West Coast Region 2-Year Colleges

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	33
32	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	32
31	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	31
30	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	30
29	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	29
28	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	28
27	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	27
26	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	26
25	99	97	98	86	93	90	87	92	89	70	86	78	92	95	94	25
24	98	94	96	82	92	87	82	88	85	66	82	75	89	93	91	24
23	96	92	94	79	90	85	76	85	81	61	79	70	83	90	87	23
22	94	88	91	76	88	82	71	82	77	57	75	66	78	87	83	22
21	91	82	86	73	86	80	66	78	72	53	71	62	73	83	78	21
20	86	75	80	71	84	78	61	74	68	48	66	58	67	77	73	20
19	80	68	74	67	81	74	56	71	64	42	60	52	62	73	68	19
18	72	60	65	63	77	71	54	68	61	36	54	46	56	67	62	18
17	63	51	57	59	72	66	52	65	59	31	47	39	49	61	56	17
16	55	44	49	53	66	60	48	62	56	26	38	33	43	56	50	16
15	47	39	43	45	58	52	45	60	53	21	30	26	36	49	43	15
14	43	34	38	37	51	45	42	56	49	16	21	19	31	42	37	14
13	38	30	34	32	45	39	38	51	45	12	14	13	26	34	30	13
12	34	25	29	29	41	36	34	46	41	9	10	9	21	26	24	12
11	29	20	24	25	37	31	31	40	36	7	8	7	17	19	18	11
10	23	15	18	21	30	26	26	34	30	5	6	5	13	13	13	10
9	17	10	13	17	24	21	20	27	24	4	5	4	10	5	6	9
8	11	6	8	14	20	17	16	22	19	3	4	3	6	5	3	8
7	7	3	5	12	17	15	12	16	14	2	2	2	4	3	2	7
6	5	1	3	10	12	11	9	12	11	1	1	1	2	2	2	6
5	3	1	2	8	9	8	7	9	8	1	1	1	1	1	1	5
4	2	1	1	6	7	7	5	6	5	1	1	1	1	1	1	4
3	1	1	1	5	5	5	3	4	3	1	1	1	1	1	1	3
2	1	1	1	4	3	3	2	2	2	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	14.6	16.2	15.4	16.0	13.7	14.8	16.3	14.1	15.1	20.7	13.3	19.4	17.0	15.7	16.3	Mean
S.D.	5.1	5.1	5.2	7.2	6.5	6.9	7.5	7.1	7.3	6.5	5.6	6.2	5.6	5.1	5.4	S.D.
Sample size	M: 495; W: 570; T: 1,065															

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	14	32	24	10	13	11	17	23	20	12	18	16	10	17	14	A (4)
B (3)	39	43	42	24	29	27	38	44	42	30	33	32	48	57	53	B (3)
C (2)	37	21	29	44	36	40	34	26	30	37	30	33	39	25	31	C (2)
D (1)	6	2	4	13	10	11	6	3	4	8	3	5	3	1	2	D (1)
F (0)	1	0	0	1	1	1	1	1	1	1	0	1	0	0	0	F (0)
Not Taken	2	1	2	7	10	9	3	4	4	12	15	14				Not Taken
Mean	2.62	3.07	2.86	2.31	2.47	2.40	2.67	2.90	2.79	2.51	2.78	2.65	2.52	2.79	2.68	Mean
S.D.	.83	.79	.84	.89	.91	.91	.88	.81	.85	.88	.83	.87	.64	.59	.63	S.D.
Sample size	M: 483; W: 543; T: 1,026															

^aRounded to the nearest whole letter grade

TABLE 2.24

ACT Score and High School Grade Norms for Students Enrolled in West Coast Region 4-Year Colleges

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	33
32	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	32
31	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	31
30	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	30
29	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	29
28	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	28
27	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	27
26	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	26
25	99	95	97	83	90	87	82	89	86	63	79	71	87	91	89	25
24	97	91	94	79	88	83	75	84	79	56	76	66	83	88	81	24
23	95	85	90	77	85	81	68	77	72	53	72	62	79	84	81	23
22	92	77	84	73	84	78	62	70	66	49	66	57	73	78	76	22
21	86	67	77	70	81	75	56	62	59	43	62	52	65	74	70	21
20	80	59	70	67	78	72	52	57	54	39	57	48	59	68	63	20
19	75	52	64	62	76	69	49	55	52	35	50	42	53	59	56	19
18	67	43	55	56	75	65	45	52	49	29	43	36	45	54	49	18
17	55	35	46	51	73	62	42	45	42	25	37	31	39	50	44	17
16	48	30	39	46	70	58	37	42	40	21	32	27	35	45	40	16
15	42	27	35	37	64	50	33	41	37	17	26	21	31	39	34	15
14	38	25	32	28	55	41	33	41	37	12	18	15	25	30	28	14
13	33	24	29	22	45	33	29	37	33	10	13	11	20	24	22	13
12	27	20	24	18	41	29	26	32	29	7	11	9	15	20	18	12
11	23	15	19	16	36	26	24	29	26	4	8	6	11	16	14	11
10	18	11	15	13	30	21	19	25	22	2	6	4	8	12	10	10
9	13	8	11	11	26	17	13	20	17	2	5	3	4	9	7	9
8	8	6	7	11	23	17	10	16	13	1	5	3	2	7	5	8
7	6	4	5	9	18	13	8	13	10	1	4	2	1	4	3	7
6	3	3	3	6	14	10	6	9	7	1	3	2	1	1	1	6
5	1	2	1	4	11	7	4	7	5	1	3	1	1	1	1	5
4	1	1	1	3	7	5	2	5	3	1	2	1	1	1	1	4
3	1	1	1	2	3	3	2	3	3	1	1	1	1	1	1	3
2	1	1	1	2	3	2	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	15.4	17.7	16.5	17.3	13.9	15.7	17.9	16.5	16.2	21.9	19.3	20.6	18.2	17.0	17.7	Mean
S.D.	5.0	5.4	5.3	6.8	7.0	7.1	7.1	7.4	7.3	6.2	6.3	6.4	5.4	5.5	5.5	S.D.
Sample size	M: 126; W: 119; T: 245															

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	25	35	30	13	14	14	28	27	28	19	27	23	18	24	21	A (4)
B (3)	32	43	38	26	26	26	32	41	36	26	28	27	47	52	49	B (3)
C (2)	32	16	24	37	35	36	26	24	25	32	22	27	30	23	26	C (2)
D (1)	6	3	4	13	8	11	3	3	3	7	4	5	5	2	3	D (1)
F (0)	2	0	1	1	0	0	3	0	1	3	0	1	0	0	0	F (0)
Not Taken	3	3	3	10	16	13	8	6	7	13	19	16				Not Taken
Mean	2.75	3.14	2.94	2.42	2.56	2.49	2.87	2.97	2.92	2.60	2.98	2.78	2.66	2.88	2.77	Mean
S.D.	.96	.79	.90	.94	.89	.92	.99	.81	.90	1.01	.88	.97	.77	.64	.72	S.D.
Sample size	M: 117; W: 116; T: 233															

^a Rounded to the nearest whole letter grade

TABLE 2.25

ACT Score and High School Grade Norms for Students Enrolled In West Coast Region Master's Level Colleges

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	33
32	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	32
31	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	31
30	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	30
29	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	29
28	99	97	98	93	96	94	92	95	94	78	89	84	96	98	97	28
27	99	96	97	88	94	91	87	93	90	73	84	79	93	97	95	27
26	98	94	96	83	91	87	81	90	86	68	79	74	89	93	91	26
25	98	91	94	78	88	83	76	85	80	64	74	69	85	89	87	25
24	96	87	91	73	85	79	70	77	73	60	71	66	79	86	82	24
23	92	82	87	69	81	75	62	70	66	56	67	61	66	75	72	23
22	87	73	80	66	79	72	56	64	60	51	62	57	66	75	70	22
21	81	63	72	63	76	70	51	60	55	45	58	52	61	66	64	21
20	74	54	64	61	72	66	45	56	50	40	53	46	55	60	57	20
19	65	47	56	57	69	63	41	53	47	34	46	40	47	54	51	19
18	56	40	48	51	64	58	38	50	44	28	38	33	40	48	44	18
17	46	32	39	44	58	51	35	48	41	21	32	27	34	41	37	17
16	38	26	37	37	51	44	32	45	39	17	27	22	28	33	31	16
15	32	21	31	29	43	36	29	42	36	13	20	16	24	27	25	15
14	28	18	23	23	35	29	26	38	32	9	14	11	17	22	20	14
13	23	16	19	19	30	24	23	34	29	6	10	8	12	18	15	13
12	19	13	16	17	26	21	20	28	24	4	7	6	9	14	12	12
11	16	10	13	15	23	19	16	23	19	3	5	4	6	10	8	11
10	13	7	10	12	20	16	12	19	16	2	4	3	4	7	6	10
9	10	5	7	11	17	14	9	15	12	2	3	3	3	4	3	9
8	6	3	5	10	14	12	6	10	8	2	2	2	2	2	2	8
7	3	2	3	8	11	9	4	8	6	1	1	1	1	1	1	7
6	2	1	1	7	8	7	2	6	4	1	1	1	1	1	1	6
5	1	1	1	5	6	6	1	4	3	1	1	1	1	1	1	5
4	1	1	1	3	4	4	1	2	1	1	1	1	1	1	1	4
3	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	3
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	16.7	18.8	17.7	18.4	16.1	17.2	19.4	17.4	18.4	22.2	20.2	21.2	19.3	18.2	18.8	Mean
S.D.	5.0	5.1	5.2	7.1	6.8	7.0	7.0	7.2	7.1	6.3	5.9	6.2	5.3	5.2	5.3	S.D.
Sample size	M: 304; W: 310; T: 614															

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	19	45	32	15	20	17	23	40	32	16	28	22	17	34	25	A (4)
B (3)	39	35	37	27	30	28	42	36	39	37	32	34	56	50	53	B (3)
C (2)	33	15	24	39	29	34	23	18	21	31	26	28	24	16	20	C (2)
D (1)	4	1	2	7	10	8	3	1	2	5	1	3	3	0	1	D (1)
F (0)	0	0	0	1	0	1	0	0	0	1	0	1	0	0	0	F (0)
Not Taken	5	3	4	11	12	11	9	5	7	11	13	12				Not Taken
Mean	2.77	3.29	3.03	2.53	2.68	2.61	2.92	3.21	3.07	2.70	2.98	2.84	2.72	3.04	2.88	Mean
S.D.	.83	.77	.84	.91	.94	.93	.82	.77	.81	.85	.84	.86	.66	.63	.66	S.D.
Sample size	M: 295; W: 297; T: 592															

^aRounded to the nearest whole letter grade

TABLE 2.26

ACT Score and High School Grade Norms for Students Enrolled in West Coast Region PhD Level Colleges

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	98	99	99	99	99	99	97	99	98	99	99	99	33
32	99	99	99	96	99	98	98	98	99	93	97	95	99	99	99	32
31	99	99	99	95	99	97	96	99	97	88	93	91	99	99	99	31
30	99	98	99	90	98	94	93	98	95	79	89	84	98	98	98	30
29	99	96	98	85	96	91	90	95	92	72	84	78	93	93	93	29
28	98	95	96	80	93	86	88	92	90	66	78	72	93	93	93	28
27	98	93	95	75	87	81	83	89	86	58	71	65	88	89	89	27
26	97	89	93	72	83	77	75	83	79	53	67	59	81	86	83	26
25	96	84	90	68	79	73	67	77	72	48	61	55	72	80	76	25
24	93	77	85	63	74	68	59	73	66	45	57	51	63	73	68	24
23	87	69	78	58	70	64	51	65	58	39	52	45	50	62	56	23
22	78	60	69	53	65	59	45	55	50	32	46	39	44	53	49	22
21	70	52	61	47	62	54	40	49	44	28	41	35	38	47	42	21
20	63	43	53	42	59	50	34	45	39	25	35	30	30	40	35	20
19	55	35	45	38	55	46	29	42	35	19	24	21	24	33	28	19
18	44	26	36	34	50	42	26	39	32	15	20	17	18	28	23	18
17	37	20	27	30	46	38	23	36	29	11	16	14	15	22	18	17
16	27	17	23	25	40	33	20	32	26	8	11	10	12	17	14	16
15	22	16	19	22	33	27	17	30	23	5	8	7	9	15	12	15
14	18	13	16	17	27	22	12	28	20	3	5	4	7	12	9	14
13	14	11	12	13	22	18	9	24	16	3	2	3	6	9	7	13
12	10	8	9	10	20	15	7	17	12	3	1	2	3	7	5	12
11	7	4	6	7	18	12	6	13	9	2	1	1	2	4	3	11
10	5	3	4	4	17	10	4	10	7	2	1	1	1	2	1	10
9	4	2	3	3	15	9	3	8	6	1	1	1	1	1	1	9
8	3	1	2	3	12	7	2	6	4	1	1	1	1	1	1	8
7	1	1	1	2	10	6	1	4	3	1	1	1	1	1	1	7
6	1	1	1	2	9	5	1	3	2	1	1	1	1	1	1	6
5	1	1	1	2	9	5	1	3	2	1	1	1	1	1	1	5
4	1	1	1	2	7	4	1	1	1	1	1	1	1	1	1	4
3	1	1	1	2	4	3	1	1	1	1	1	1	1	1	1	3
2	1	1	1	2	3	2	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	18.2	20.4	19.3	21.1	18.0	19.6	21.6	19.2	20.5	24.3	22.6	23.5	21.4	20.2	20.8	Mean
S.D.	4.6	4.9	4.9	7.0	7.5	7.4	6.2	6.9	6.7	6.1	5.8	6.0	5.1	5.4	5.3	S.D.
Sample size	M: 130; W: 123; T: 253															

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	31	53	42	25	22	24	32	50	41	27	41	34	28	40	34	A (4)
B (3)	41	32	36	26	35	30	45	33	39	36	28	32	52	47	50	B (3)
C (2)	23	11	17	28	24	26	16	11	13	23	17	20	20	9	15	C (2)
D (1)	4	2	3	11	8	10	1	2	2	2	3	2	0	4	2	D (1)
F (0)	0	0	0	2	2	2	1	0	0	0	0	0	0	0	0	F (0)
Not Taken	1	2	1	8	9	8	6	4	5	12	11	11				Not Taken
Mean	3.01	3.37	3.19	2.68	2.74	2.71	3.13	3.36	3.24	3.02	3.19	3.11	2.96	3.15	3.05	Mean
S.D.	.84	.78	.83	1.05	1.05	1.02	.77	.78	.78	.80	.87	.84	.64	.66	.66	S.D.
Sample size	M: 127; W: 123; T: 250															

^aRounded to the nearest whole letter grade

TABLE 2.27

**ACT Score and High School Grade Norms for
Students Enrolled in Rocky Mountains/Great Plains Region 2-Year Colleges**

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
38	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	33
32	99	99	99	98	99	99	99	99	99	99	97	99	98	99	99	32
31	99	99	99	98	99	99	95	99	99	95	99	97	99	99	99	31
30	99	99	99	97	99	98	99	99	99	93	97	95	99	99	99	30
29	99	99	99	96	98	97	98	98	98	89	95	92	99	99	99	29
28	99	99	99	94	97	96	97	97	97	84	92	88	98	99	99	28
27	99	99	99	92	95	94	95	95	95	79	90	85	97	97	97	27
26	99	98	99	89	93	91	92	93	92	75	88	81	95	96	95	26
25	99	96	97	85	90	87	88	90	89	72	85	78	91	94	92	25
24	98	93	96	81	87	84	82	86	84	67	82	75	87	90	89	24
23	96	90	93	78	84	81	76	82	79	61	79	70	83	86	85	23
22	93	84	88	76	81	79	69	78	74	55	75	65	78	83	81	22
21	88	78	83	74	78	76	63	73	68	51	70	61	72	79	76	21
20	83	70	76	70	75	72	59	69	64	47	64	56	67	73	70	20
19	77	63	70	67	72	70	55	65	60	42	57	50	60	68	64	19
18	69	54	62	63	69	66	52	64	58	36	51	44	54	63	59	18
17	60	46	53	56	64	60	50	61	56	31	44	38	47	57	52	17
16	53	38	45	47	59	53	48	57	53	25	36	30	40	50	45	16
15	47	30	39	40	54	47	45	54	50	19	27	23	35	42	39	15
14	42	25	34	34	47	41	41	49	45	14	19	16	30	34	32	14
13	36	22	29	30	41	36	36	44	40	8	11	10	22	26	24	13
12	30	18	24	25	36	31	30	40	35	6	6	6	16	20	18	12
11	24	14	19	21	30	26	25	34	30	4	4	4	12	14	13	11
10	17	10	14	17	25	21	17	27	24	2	3	3	8	9	9	10
9	13	7	10	14	21	18	17	21	19	2	3	2	5	6	5	9
8	9	4	6	11	18	15	12	16	14	1	2	1	3	3	3	8
7	5	2	4	6	15	12	8	11	10	1	1	1	1	1	1	7
6	4	1	2	6	11	9	5	8	7	1	1	1	1	1	1	6
5	2	1	1	4	9	6	3	5	4	1	1	1	1	1	1	5
4	1	1	1	3	6	4	2	3	3	1	1	1	1	1	1	4
3	1	1	1	2	4	3	1	2	2	1	1	1	1	1	1	3
2	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	15.0	17.1	16.1	16.7	14.9	15.8	16.8	15.2	16.0	20.9	18.7	19.8	17.5	16.6	17.0	Mean
S.D.	5.1	4.9	5.1	7.0	7.1	7.1	7.0	7.1	7.1	6.1	5.5	5.9	5.3	5.1	5.2	S.D.
Sample size	M: 558; W: 580; T: 1,138															

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	14	37	26	12	15	14	20	34	27	14	20	17	14	27	20	A (4)
B (3)	38	46	42	26	32	29	40	39	40	31	33	32	44	51	48	B (3)
C (2)	40	15	27	37	31	34	30	20	25	34	26	30	39	20	29	C (2)
D (1)	5	2	3	14	9	11	6	4	5	8	5	7	3	2	2	D (1)
F (0)	1	0	1	1	1	1	0	0	0	0	0	0	0	0	0	F (0)
Not Taken	2	1	1	10	13	11	4	3	4	13	16	15				Not Taken
Mean	2.60	3.18	2.90	2.37	2.59	2.48	2.76	3.06	2.92	2.58	2.80	2.69	2.58	2.91	2.74	Mean
S.D.	.84	.75	.85	.93	.93	.94	.86	.85	.87	.86	.88	.88	.69	.66	.69	S.D.
Sample size	M: 531; W: 558; T: 1,089															

^aRounded to the nearest whole letter grade

TABLE 2.28

ACT Score and High School Grade Norms for Students Enrolled in Rocky Mountain/Great Plains Region 4-Year Colleges

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	98	99	99	99	99	99	98	99	99	99	99	99	33
32	99	99	99	97	99	98	99	99	99	95	99	97	99	99	99	32
31	99	99	99	95	99	97	98	99	98	91	97	94	99	99	99	31
30	99	99	99	93	98	96	97	98	98	86	94	90	98	99	99	30
29	99	99	99	90	97	94	95	96	96	81	91	86	97	99	98	29
28	99	98	99	86	96	91	93	94	94	76	86	81	94	97	95	28
27	99	97	98	80	93	86	89	91	91	70	83	76	90	95	92	27
26	98	95	96	74	88	81	84	87	87	64	79	72	86	91	89	26
25	95	92	94	69	83	76	79	81	81	59	75	67	81	87	84	25
24	93	88	90	64	79	72	73	76	76	56	72	64	76	83	80	24
23	90	82	86	60	77	68	65	70	70	51	66	58	70	78	74	23
22	85	74	79	58	74	66	59	64	64	46	59	53	63	73	68	22
21	77	66	72	55	71	63	54	64	59	42	55	48	56	68	62	21
20	69	58	63	52	67	59	49	59	54	37	51	44	50	61	56	20
19	63	50	56	48	63	55	45	56	51	32	46	39	45	56	50	19
18	55	42	49	44	59	52	43	55	49	27	41	34	39	51	45	18
17	47	35	41	40	55	47	40	53	46	22	35	29	34	45	40	17
16	41	29	35	34	49	42	36	50	43	17	27	22	29	39	34	16
15	36	24	30	29	43	36	33	47	40	13	20	17	24	32	28	15
14	31	20	26	24	38	31	29	43	36	10	14	12	20	27	23	14
13	26	16	21	21	34	28	26	38	32	6	10	8	15	22	19	13
12	21	12	16	18	31	25	22	34	28	4	7	6	12	17	14	12
11	17	8	12	16	27	21	20	30	25	3	5	4	9	11	10	11
10	12	6	9	13	23	18	18	25	22	2	3	2	6	8	7	10
9	9	5	7	11	19	15	15	20	17	1	2	2	4	4	4	9
8	6	3	4	9	16	12	11	15	13	1	1	1	3	2	2	8
7	4	1	3	8	13	10	9	10	10	1	1	1	2	1	1	7
6	3	1	2	6	9	8	7	7	7	1	1	1	1	1	1	6
5	2	1	1	4	7	5	4	4	4	1	1	1	1	1	1	5
4	1	1	1	2	5	4	3	2	2	1	1	1	1	1	1	4
3	1	1	1	1	4	2	1	1	1	1	1	1	1	1	1	3
2	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	16.7	18.5	17.6	19.5	16.3	17.9	18.5	16.5	17.5	22.6	20.3	21.5	19.5	18.1	18.8	Mean
S.D.	5.3	5.0	5.2	7.8	7.5	7.8	7.5	7.4	7.5	6.3	6.0	6.2	5.8	5.6	5.7	S.D.
Sample size	M: 524; W: 532; T: 1,056															

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	26	43	35	22	22	22	32	39	35	24	23	23	26	31	29	A (4)
B (3)	38	38	38	29	27	28	37	33	35	33	32	32	48	49	48	B (3)
C (2)	28	16	22	28	28	28	22	21	21	26	27	26	23	19	21	C (2)
D (1)	4	1	3	9	7	8	5	3	4	4	3	3	2	1	1	D (1)
F (0)	0	0	0	1	1	1	0	0	0	1	0	0	0	0	0	F (0)
Not Taken	3	1	2	10	14	12	5	4	5	13	15	14				Not Taken
Mean	2.88	3.24	3.06	2.69	2.73	2.71	3.00	3.12	3.06	2.87	2.86	2.87	2.86	3.00	2.93	Mean
S.D.	.87	.78	.84	.99	.98	.99	.88	.85	.87	.89	.85	.87	.71	.67	.69	S.D.
Sample size	M: 508; W: 514; T: 1,022															

^aRounded to the nearest whole letter grade

TABLE 2.29

ACT Score and High School Grade Norms for Students Enrolled in Rocky Mountains/Great Plains Region Master's Level Colleges

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score		
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T			
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36		
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35		
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34		
33	99	99	99	98	99	99	99	99	99	98	99	99	99	99	99	33		
32	99	99	99	98	99	98	99	99	99	95	98	96	99	99	99	32		
31	99	99	99	97	98	98	98	99	99	91	96	93	99	99	99	31		
30	99	99	99	96	98	97	97	98	97	85	94	89	99	99	99	30		
29	99	98	99	92	97	95	95	97	96	80	91	86	97	98	98	29		
28	99	98	98	88	95	92	93	95	94	76	88	82	95	96	95	28		
27	98	96	97	83	92	87	88	93	91	72	85	78	91	94	92	27		
26	98	95	96	78	88	83	81	91	86	66	82	74	86	92	89	26		
25	96	92	94	72	83	77	74	87	81	60	79	70	79	89	84	25		
24	93	89	91	66	78	72	68	84	76	56	76	66	74	86	80	24		
23	89	85	87	62	76	69	61	78	70	51	72	61	67	82	74	23		
22	83	79	81	59	73	66	54	72	63	46	66	56	60	76	68	22		
21	76	69	73	55	70	63	49	67	58	41	62	52	55	71	63	21		
20	69	60	65	52	67	60	44	63	53	36	55	46	51	65	58	20		
19	62	51	56	48	64	56	41	60	50	31	49	40	45	60	53	19		
18	53	42	47	43	59	51	39	56	48	27	45	36	39	54	46	18		
17	45	34	39	39	53	46	37	52	45	21	38	30	34	46	40	17		
16	39	28	33	34	47	40	35	49	42	16	30	23	29	38	33	16		
15	33	24	28	29	40	35	32	46	39	11	22	16	22	31	27	15		
14	28	19	23	24	34	29	28	42	35	6	15	11	17	24	21	14		
13	25	14	20	19	30	24	24	38	31	4	10	7	13	17	15	13		
12	22	11	16	17	26	22	21	33	27	3	6	4	9	11	10	12		
11	17	8	13	15	23	19	18	28	23	1	3	2	7	8	7	11		
10	12	6	9	13	20	16	15	22	18	1	2	1	4	5	5	10		
9	7	3	5	10	15	13	11	15	13	1	1	1	2	3	3	9		
8	5	2	3	8	12	10	8	10	9	1	1	1	2	1	1	8		
7	3	2	2	6	10	8	6	7	6	1	1	1	1	1	1	7		
6	2	1	1	4	7	5	4	5	4	1	1	1	1	1	1	6		
5	1	1	1	3	4	3	2	3	3	1	1	1	1	1	1	5		
4	1	1	1	2	3	2	2	2	2	1	1	1	1	1	1	4		
3	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	3		
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2		
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Mean	16.9	18.5	17.7	19.4	16.9	18.1	19.3	16.6	17.9	22.8	19.9	21.3	19.7	18.1	18.9	Mean		
S.D.	5.2	4.9	5.1	7.4	7.2	7.4	7.2	7.0	7.3	6.0	5.8	6.1	5.5	5.2	5.4	S.D.		
Sample size	M: 494; W: 500; T: 994																	

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade		
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T			
A (4)	26	38	32	18	17	18	32	36	34	19	21	20	23	28	25	A (4)		
B (3)	45	44	45	28	32	30	36	40	38	34	36	35	49	54	51	B (3)		
C (2)	25	15	20	35	32	33	26	19	22	29	28	28	27	17	22	C (2)		
D (1)	3	1	2	10	8	9	2	3	2	5	2	4	2	1	1	D (1)		
F (0)	0	0	0	1	0	1	0	0	0	1	0	0	0	0	0	F (0)		
Not Taken	1	0	0	7	10	9	3	3	3	13	13	13				Not Taken		
Mean	2.93	3.20	3.07	2.56	2.85	2.61	3.02	3.12	3.07	2.74	2.87	2.80	2.82	2.95	2.88	Mean		
S.D.	.82	.76	.80	.98	.90	.94	.84	.81	.83	.89	.80	.85	.69	.63	.67	S.D.		
Sample size	M: 476; W: 491; T: 967																	

^aRounded to the nearest whole letter grade

TABLE 2.30

ACT Score and High School Grade Norms for Students Enrolled in Rocky Mountains/Great Plains Region PhD Level Colleges

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	98	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	97	99	98	99	99	99	96	99	98	99	99	99	33
32	99	99	99	95	99	97	98	99	99	91	98	94	99	99	99	32
31	99	99	99	93	98	96	97	99	98	85	95	90	99	99	99	31
30	99	99	99	90	97	94	94	98	96	76	90	84	98	99	98	30
29	99	98	99	85	95	90	91	96	94	68	86	77	95	97	96	29
28	99	98	98	78	91	85	86	94	90	61	81	71	90	95	92	28
27	98	96	97	70	86	78	80	90	85	54	76	66	83	92	87	27
26	97	93	95	63	80	72	73	85	79	48	71	60	76	87	81	26
25	94	89	91	55	74	65	64	79	72	43	65	54	67	81	74	25
24	89	83	86	49	69	59	56	72	64	38	61	50	59	75	67	24
23	84	76	80	44	65	55	48	65	57	34	54	44	51	67	59	23
22	76	67	71	41	61	52	41	58	50	29	47	38	43	60	52	22
21	66	56	61	38	57	48	36	52	44	24	43	34	37	54	45	21
20	56	47	51	35	53	44	31	46	39	21	37	29	30	47	39	20
19	47	38	43	31	49	40	28	42	35	17	31	24	25	40	32	19
18	38	29	33	27	44	36	26	41	33	13	27	20	21	32	27	18
17	29	22	25	23	37	30	23	37	31	11	21	16	17	26	22	17
16	23	17	20	18	32	25	21	34	28	8	16	12	13	21	17	16
15	18	13	16	15	27	21	19	31	25	6	11	8	8	13	11	15
14	15	11	13	12	22	17	17	27	22	4	8	6	6	10	8	14
13	12	10	11	10	19	14	15	23	19	2	5	4	4	7	6	13
12	9	8	8	8	16	13	12	20	16	1	3	2	3	5	4	12
11	7	6	6	7	14	11	10	16	13	1	2	1	2	3	2	11
10	5	4	4	6	12	9	8	12	10	1	1	1	1	2	1	10
9	4	3	3	5	10	7	6	9	9	1	1	1	1	1	1	9
8	2	2	2	4	8	6	4	7	4	1	1	1	1	1	1	8
7	1	1	1	3	6	4	3	4	3	1	1	1	1	1	1	7
6	1	1	1	2	4	3	2	3	2	1	1	1	1	1	1	6
5	1	1	1	1	3	2	1	2	1	1	1	1	1	1	1	5
4	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	4
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	18.8	19.9	19.3	22.4	19.2	20.8	21.6	19.1	20.3	25.2	22.2	23.7	22.1	20.2	21.1	Mean
S.D.	4.5	4.7	4.6	6.9	7.0	7.1	6.6	6.8	6.8	5.7	5.7	5.9	5.1	5.1	5.2	S.D.
Sample size	M: 1,580; W: 1,677; T: 3,257															

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	34	52	43	27	26	26	43	50	47	30	35	33	35	43	39	A (4)
B (3)	44	39	41	33	35	34	37	34	35	36	34	35	48	47	48	B (3)
C (2)	19	9	14	27	26	26	15	12	13	20	17	18	16	9	12	C (2)
D (1)	1	0	1	7	5	6	2	1	1	3	2	2	1	0	1	D (1)
F (0)	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	F (0)
Not Taken	1	0	1	6	8	7	4	3	3	10	11	11				Not Taken
Mean	3.12	3.42	3.28	2.83	2.89	2.86	3.25	3.37	3.31	3.04	3.16	3.10	3.05	3.21	3.13	Mean
S.D.	.78	.67	.74	.95	.89	.92	.79	.74	.77	.85	.81	.83	.65	.59	.62	S.D.
Sample size	M: 1,533; W: 1,627; T: 3,160															

^aRounded to the nearest whole letter grade

TABLE 2.31

ACT Score and High School Grade Norms for Students Enrolled in Southwest Region 2-Year Colleges

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	33
32	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	32
31	99	99	99	99	99	99	99	99	99	97	99	98	99	99	99	31
30	99	99	99	99	99	99	99	99	99	95	98	97	99	99	99	30
29	99	99	99	99	99	99	99	99	99	93	96	94	99	99	99	29
28	99	99	99	99	99	99	99	97	99	89	95	92	99	99	99	28
27	99	99	99	99	99	99	99	95	98	86	93	90	98	99	98	27
26	99	98	99	99	97	97	96	93	96	83	92	88	97	98	97	26
25	99	97	98	99	92	95	94	89	94	79	90	85	94	96	95	25
24	98	95	96	99	88	93	91	85	91	75	87	82	91	94	93	24
23	97	92	94	99	85	91	88	79	87	71	84	78	87	92	89	23
22	94	88	91	99	82	90	86	75	84	67	81	74	83	89	86	22
21	90	82	86	99	79	88	84	70	80	63	77	70	79	86	83	21
20	86	74	80	99	77	86	82	66	76	58	73	66	74	82	78	20
19	80	68	74	99	74	83	79	63	73	53	68	61	69	78	73	19
18	74	61	67	99	70	79	75	61	72	49	63	56	63	72	68	18
17	67	54	60	99	65	75	70	59	69	43	56	50	57	67	62	17
16	60	48	53	99	58	69	64	56	66	36	48	43	52	60	56	16
15	53	41	47	99	50	62	56	54	63	29	38	34	47	53	50	15
14	47	36	41	99	42	55	49	51	59	22	28	25	41	45	43	14
13	42	31	36	99	37	49	43	46	55	16	20	18	35	39	37	13
12	36	26	31	99	33	44	39	42	50	11	14	13	28	32	30	12
11	30	22	26	99	29	39	34	37	44	9	10	10	21	25	23	11
10	25	17	21	99	24	33	29	32	39	7	7	7	15	19	17	10
9	19	13	16	99	20	28	24	26	33	5	5	5	10	13	12	9
8	14	10	12	99	17	23	20	20	27	4	4	4	7	7	7	8
7	10	6	8	99	14	19	17	16	21	3	2	3	4	4	4	7
6	7	4	5	99	11	15	13	12	16	2	1	1	2	2	2	6
5	3	2	3	99	8	11	10	8	11	1	1	1	1	1	1	5
4	2	1	1	99	6	8	7	5	7	1	1	1	1	1	1	4
3	1	1	1	99	4	6	5	3	4	1	1	1	1	1	1	3
2	1	1	1	99	2	4	3	2	3	1	1	1	1	1	1	2
1	1	1	1	99	1	1	1	1	1	1	1	1	1	1	1	1
Mean	14.2	15.9	15.1	15.0	13.1	14.0	15.1	13.4	14.2	19.1	17.2	18.1	16.0	15.0	15.5	Mean
S.D.	5.3	5.5	5.4	6.7	6.4	6.6	7.6	7.1	7.4	6.4	5.5	6.0	5.5	5.2	5.4	S.D.
Sample size	M: 1,368; W: 1,526; T: 2,894															

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	13	31	22	11	16	13	20	30	25	11	18	14	12	24	18	A (4)
B (3)	36	42	39	28	32	30	36	37	36	30	34	32	47	52	49	B (3)
C (2)	40	22	30	37	32	34	31	22	26	37	28	32	37	24	30	C (2)
D (1)	7	2	4	13	9	10	5	3	4	6	4	5	3	1	2	D (1)
F (0)	1	0	0	2	1	1	1	0	0	1	0	0	0	0	0	F (0)
Not Taken	4	3	3	10	11	10	8	8	8	16	16	16				Not Taken
Mean	2.56	3.05	2.82	2.37	2.61	2.50	2.76	3.02	2.89	2.52	2.78	2.65	2.55	2.86	2.71	Mean
S.D.	.84	.79	.85	.93	.91	.93	.87	.85	.86	.84	.84	.85	.66	.65	.67	S.D.
Sample size	M: 1,307; W: 1,453; T: 2,760															

^aRounded to the nearest whole letter grade

TABLE 2.32

ACT Score and High School Grade Norms for Students Enrolled in Southwest Region 4-Year Colleges

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	33
32	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	32
31	99	99	99	98	99	99	99	99	99	99	99	99	99	99	99	31
30	99	99	99	97	99	98	99	99	99	99	99	99	99	99	99	30
29	99	99	99	96	99	98	97	98	98	90	95	93	99	99	99	29
28	99	99	99	95	98	97	95	98	96	86	94	90	97	99	98	28
27	99	99	99	93	97	95	92	96	94	83	92	88	95	98	96	27
26	99	97	98	91	95	93	88	92	90	79	90	85	92	96	94	26
25	97	95	96	87	92	89	84	89	87	75	88	82	91	93	92	25
24	95	92	93	83	88	85	79	86	83	72	86	79	88	90	89	24
23	93	88	90	80	85	83	75	82	79	68	82	75	84	87	86	23
22	89	83	86	78	83	80	71	78	75	64	77	71	79	83	81	22
21	84	76	80	75	82	78	67	75	71	60	73	67	75	79	77	21
20	80	68	74	72	79	76	63	71	67	55	69	62	70	74	72	20
19	75	61	68	69	77	73	61	68	65	50	64	57	65	70	67	19
18	68	53	60	65	74	70	60	66	63	46	59	53	59	65	62	18
17	61	45	53	61	70	66	58	63	61	40	54	47	55	60	57	17
16	55	39	46	54	63	59	55	61	58	33	47	40	49	55	52	16
15	49	34	41	46	56	52	53	58	56	27	37	32	43	50	47	15
14	43	29	36	40	50	45	50	55	53	21	27	24	38	44	41	14
13	38	26	32	36	44	40	47	50	49	15	19	16	32	37	34	13
12	32	22	27	32	40	36	42	45	44	9	12	10	26	29	27	12
11	26	17	22	28	36	32	35	41	39	7	8	8	20	21	20	11
10	20	13	17	24	31	28	31	37	34	5	6	5	14	15	15	10
9	15	10	13	20	26	23	26	31	29	4	4	4	10	10	10	9
8	10	7	9	17	21	19	21	25	23	3	3	3	6	5	6	8
7	6	4	5	13	17	15	16	18	17	2	2	2	3	3	3	7
6	4	3	3	10	13	11	13	13	13	1	1	1	1	2	1	6
5	2	2	1	8	10	9	9	10	9	1	1	1	1	1	1	5
4	1	1	1	5	7	6	5	6	6	1	1	1	1	1	1	4
3	1	1	1	4	5	4	3	3	3	1	1	1	1	1	1	3
2	1	1	1	3	3	3	2	2	2	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	15.1	16.8	16.0	15.7	14.1	14.9	15.5	14.3	14.9	19.7	17.7	18.6	16.6	15.8	16.2	Mean
S.D.	5.4	5.4	5.5	7.4	7.0	7.3	8.0	7.6	7.8	6.5	5.7	6.2	5.9	5.6	5.7	S.D.
Sample size	M: 439; W: 463; T: 902															

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	18	35	27	17	21	19	26	40	33	18	22	20	16	34	25	A (4)
B (3)	37	41	39	26	29	28	40	31	35	31	33	32	49	46	47	B (3)
C (2)	36	20	28	39	30	34	24	18	21	33	19	26	32	19	26	C (2)
D (1)	7	3	5	9	7	8	4	4	4	5	5	5	3	1	2	D (1)
F (0)	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	F (0)
Not Taken	2	1	1	8	13	11	6	7	6	13	22	17				Not Taken
Mean	2.68	3.09	2.89	2.54	2.73	2.63	2.91	3.15	3.04	2.69	2.92	2.80	2.69	2.98	2.84	Mean
S.D.	.85	.83	.86	.93	.93	.93	.86	.88	.88	.89	.86	.89	.68	.70	.71	S.D.
Sample size	M: 414; W: 443; T: 857															

^aRounded to the nearest whole letter grade

TABLE 2.33

ACT Score and High School Grade Norms for Students Enrolled in Southwest Region Master's Level Colleges

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	33
32	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	32
31	99	99	99	98	99	99	99	99	99	94	97	96	99	99	99	31
30	99	99	99	98	99	99	98	99	99	91	95	93	99	99	99	30
29	99	99	99	96	98	97	97	99	98	88	93	91	98	99	99	29
28	99	99	99	94	97	96	95	98	97	83	90	87	97	98	98	28
27	99	98	98	91	95	93	92	96	94	79	87	83	95	97	96	27
26	98	96	97	87	93	90	87	93	91	74	84	79	93	94	94	26
25	97	94	95	83	89	86	82	90	86	69	80	75	89	91	90	25
24	96	89	92	78	85	82	77	86	82	65	78	72	84	88	86	24
23	93	84	88	74	82	78	71	81	76	60	73	67	79	83	81	23
22	89	77	82	71	79	75	66	74	70	56	68	62	73	78	75	22
21	83	69	75	68	75	72	60	69	65	52	63	58	67	72	70	21
20	77	60	68	64	72	68	55	63	59	47	58	53	62	67	65	20
19	70	52	60	61	68	65	51	59	55	41	53	47	56	62	59	19
18	61	44	52	56	64	61	49	57	53	35	48	42	49	56	53	18
17	51	36	43	51	59	55	46	54	50	30	42	36	43	50	47	17
16	42	31	36	44	53	49	44	51	47	24	34	30	37	43	41	16
15	35	26	30	38	46	42	42	48	45	17	26	22	31	36	33	15
14	29	22	25	32	40	37	39	44	42	12	18	15	24	29	27	14
13	25	18	21	28	36	32	35	40	37	8	11	10	19	23	21	13
12	21	14	17	24	32	28	30	35	33	5	6	6	14	17	16	12
11	17	11	13	20	27	24	26	30	28	4	4	4	11	12	12	11
10	12	8	10	17	23	20	21	25	23	2	3	3	8	8	8	10
9	8	5	7	15	19	17	15	20	18	2	2	2	5	5	5	9
8	6	4	5	12	16	14	11	15	13	1	2	1	3	3	3	8
7	3	2	3	10	13	12	8	11	9	1	1	1	1	2	1	7
6	2	2	2	7	10	9	6	7	7	1	1	1	1	1	1	6
5	1	1	1	4	8	6	4	5	5	1	1	1	1	1	1	5
4	1	1	1	3	6	5	2	3	3	1	1	1	1	1	1	4
3	1	1	1	4	4	3	1	2	1	1	1	1	1	1	1	3
2	1	1	1	2	4	2	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	16.4	18.1	17.3	17.2	15.6	16.3	17.4	16.0	16.6	21.2	19.3	20.2	18.1	17.4	17.7	Mean
S.D.	4.9	5.1	5.1	7.2	7.1	7.2	7.4	7.0	7.2	6.2	5.8	6.0	5.4	5.3	5.4	S.D.
Sample size	M: 948; W: 1,123; T: 2,071															

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	20	40	31	17	23	20	30	42	36	19	27	24	20	35	28	A (4)
B (3)	42	44	43	29	32	31	40	35	37	33	35	34	49	49	49	B (3)
C (2)	32	13	22	37	27	32	22	17	19	30	22	26	29	16	22	C (2)
D (1)	4	1	3	10	8	9	3	2	3	5	3	4	1	0	1	D (1)
F (0)	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	F (0)
Not Taken	2	1	1	6	9	7	5	5	5	13	13	13				Not Taken
Mean	2.79	3.24	3.03	2.55	2.76	2.66	3.01	3.21	3.12	2.75	2.99	2.88	2.76	3.04	2.91	Mean
S.D.	.82	.75	.81	.94	.95	.95	.84	.82	.83	.87	.85	.87	.67	.64	.67	S.D.
Sample size	M: 926; W: 1,092; T: 2,018															

^aRounded to the nearest whole letter grade

TABLE 2.34

ACT Score and High School Grade Norms for Students Enrolled in Southwest Region PhD Level Colleges

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
38	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	38
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	98	99	99	99	99	99	97	99	98	99	99	99	33
32	99	99	99	97	99	98	99	99	99	94	97	96	99	99	99	32
31	99	99	99	96	98	97	97	98	98	90	95	92	99	99	99	31
30	99	99	99	93	97	95	95	97	96	84	91	88	98	99	98	30
29	99	99	99	90	96	93	93	95	94	78	87	82	96	97	97	29
28	99	97	98	86	94	90	89	93	91	72	83	77	93	95	94	28
27	98	95	96	81	90	85	85	89	87	66	79	73	88	92	90	27
26	96	92	94	74	85	80	79	85	82	61	74	68	83	88	85	26
25	93	88	91	68	79	74	72	79	75	56	70	63	77	83	80	25
24	90	84	87	63	74	68	64	74	69	51	66	59	70	77	73	24
23	86	77	82	58	70	64	57	68	62	46	61	53	64	71	67	23
22	81	68	75	54	66	60	51	62	57	41	55	48	57	65	61	22
21	74	58	66	51	63	57	46	57	51	36	50	43	50	58	54	21
20	66	49	58	48	59	53	41	51	46	32	45	38	44	51	48	20
19	57	42	50	44	54	49	38	48	43	28	39	33	38	45	42	19
18	48	33	41	39	50	44	35	46	40	24	34	29	32	40	36	18
17	40	26	33	33	44	39	33	43	38	20	28	24	27	35	31	17
16	33	20	26	28	37	32	31	40	36	15	22	19	23	30	26	16
15	27	15	21	23	31	27	29	37	33	12	16	14	19	24	21	15
14	23	12	18	18	26	22	26	33	29	8	11	10	15	18	16	14
13	19	10	15	15	23	19	23	29	26	6	7	7	11	14	12	13
12	15	8	12	13	20	17	19	25	22	4	5	4	8	10	9	12
11	12	6	9	11	18	14	16	22	19	3	3	3	5	7	6	11
10	8	4	6	9	15	12	13	17	15	2	3	2	4	4	4	10
9	5	3	4	7	13	10	10	13	12	1	2	2	3	2	3	9
8	3	2	3	6	11	8	7	10	9	1	2	1	1	1	1	8
7	2	1	2	4	8	6	5	8	6	1	1	1	1	1	1	7
6	1	1	1	3	6	4	3	5	4	1	1	1	1	1	1	6
5	1	1	1	2	4	3	2	2	2	1	1	1	1	1	1	5
4	1	1	1	2	3	2	1	1	1	1	1	1	1	1	1	4
3	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	3
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	17.8	19.6	18.7	20.3	18.1	19.3	19.9	18.2	19.1	23.3	21.2	22.3	20.4	19.4	19.9	Mean
S.D.	5.1	4.8	5.0	7.1	7.1	7.2	7.3	7.3	7.4	6.3	6.1	6.3	5.6	5.5	5.5	S.D.
Sample size	M: 1,168; W: 1,126; T: 2,294															

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	29	51	40	22	27	24	41	51	46	26	33	29	29	43	36	A (4)
B (3)	45	37	41	30	34	32	36	31	33	37	38	37	49	45	47	B (3)
C (2)	22	11	16	31	25	28	18	13	15	23	17	20	27	12	16	C (2)
D (1)	4	1	2	10	7	9	1	1	1	5	2	4	1	0	1	D (1)
F (0)	0	0	0	1	1	1	0	0	0	1	0	0	0	0	0	F (0)
Not Taken	0	1	0	5	7	6	4	4	4	8	10	9				Not Taken
Mean	2.99	3.39	3.19	2.65	2.85	2.75	3.21	3.38	3.29	2.90	3.12	3.01	2.93	3.18	3.05	Mean
S.D.	.83	.71	.80	.98	.94	.96	.80	.75	.78	.89	.81	.86	.66	.61	.65	S.D.
Sample size	M: 1,132; W: 1,105; T: 2,237															

^aRounded to the nearest whole letter grade

TABLE 2.35

ACT Score and High School Grade Norms for Students Enrolled in Midwest Region 2-Year Colleges

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	33
32	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	32
31	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	31
30	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	30
29	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	29
28	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	28
27	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	27
26	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	26
25	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	25
24	97	92	94	79	86	82	79	83	81	68	79	74	86	89	88	24
23	94	88	91	75	84	80	74	78	76	63	74	69	81	85	83	23
22	91	82	86	72	81	77	68	74	71	58	70	64	76	80	78	22
21	86	74	79	69	78	74	63	69	66	53	65	59	70	74	73	21
20	80	65	72	66	75	71	58	64	61	48	60	54	64	69	67	20
19	73	58	65	62	71	67	54	61	58	43	54	49	58	64	61	19
18	66	50	57	57	67	62	52	59	55	37	48	43	52	57	55	18
17	57	42	49	51	61	56	49	55	52	31	41	36	45	51	48	17
16	50	36	42	44	54	49	46	52	49	24	33	29	39	45	42	16
15	43	30	36	37	48	43	43	49	47	18	25	22	33	38	36	15
14	37	25	31	32	43	38	39	46	43	13	18	16	27	32	30	14
13	32	21	26	28	39	34	34	41	38	9	13	11	21	26	24	13
12	26	17	21	24	34	29	29	36	33	6	8	7	15	20	18	12
11	21	13	17	20	30	25	25	31	28	4	6	5	10	14	12	11
10	15	9	12	17	25	21	20	26	23	2	4	3	6	9	8	10
9	10	7	8	13	20	17	15	20	18	2	3	2	4	5	5	9
8	7	4	5	11	17	14	11	15	14	1	1	1	2	3	2	8
7	4	3	3	8	14	11	6	8	7	1	1	1	1	1	1	7
6	2	2	2	6	10	8	4	6	4	1	1	1	1	1	1	6
5	1	1	1	4	8	6	4	5	4	1	1	1	1	1	1	5
4	1	1	1	3	6	5	2	3	3	1	1	1	1	1	1	4
3	1	1	1	2	5	4	1	2	1	1	1	1	1	1	1	3
2	1	1	1	1	3	2	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	15.6	17.4	16.6	17.3	15.3	16.2	17.1	15.9	16.5	20.7	19.0	19.8	17.8	17.0	17.4	Mean
S.D.	4.9	5.1	5.1	7.1	7.2	7.2	7.2	7.2	7.2	6.0	5.6	5.9	5.3	5.3	5.3	S.D.
Sample size	M: 1,914; W: 2,192; T: 4,106															

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	12	29	21	8	15	12	16	25	21	10	15	13	8	20	15	A (4)
B (3)	41	46	43	26	29	27	37	41	39	29	34	32	46	53	50	B (3)
C (2)	39	21	29	39	34	36	35	25	30	36	30	33	43	26	34	C (2)
D (1)	7	2	4	15	11	13	7	3	5	8	5	6	3	1	2	D (1)
F (0)	0	0	0	2	0	1	0	0	0	0	0	0	0	0	0	F (0)
Not Taken	2	1	2	10	12	11	6	5	5	16	16	16				Not Taken
Mean	2.57	3.03	2.82	2.26	2.53	2.40	2.66	2.92	2.80	2.49	2.71	2.61	2.49	2.79	2.65	Mean
S.D.	.80	.79	.82	.91	.93	.93	.84	.82	.84	.85	.83	.85	.62	.63	.64	S.D.
Sample size	M: 1,849; W: 2,131; T: 3,980															

^aRounded to the nearest whole letter grade

TABLE 2.36

ACT Score and High School Grade Norms for Students Enrolled in Midwest Region 4-Year Colleges

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	98	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	97	99	98	99	99	99	97	99	98	99	99	99	33
32	99	99	99	96	99	97	98	99	99	93	98	96	99	99	99	32
31	99	99	99	94	98	96	97	99	98	88	96	92	99	99	99	31
30	99	99	99	91	97	94	95	98	97	82	92	87	97	99	98	30
29	99	98	99	87	94	91	92	97	94	77	88	83	95	98	96	29
28	99	97	98	82	91	87	88	94	91	72	83	78	91	95	93	28
27	98	96	97	77	86	82	83	90	87	67	79	74	87	91	89	27
26	96	93	94	71	81	76	78	85	82	62	75	69	81	86	84	26
25	94	89	91	65	76	71	72	79	75	57	70	64	75	80	78	25
24	91	83	87	60	72	66	65	72	69	51	66	60	69	75	72	24
23	86	76	81	55	68	62	59	65	62	48	61	55	63	70	67	23
22	80	68	73	52	65	59	53	59	56	43	55	49	57	63	60	22
21	73	58	65	49	61	56	47	55	51	38	49	44	51	58	55	21
20	65	49	57	46	58	52	42	50	46	34	45	40	46	52	49	20
19	57	42	49	42	53	48	38	47	43	30	40	36	39	46	43	19
18	49	35	42	38	49	44	36	45	41	26	35	31	34	41	38	18
17	42	28	35	34	44	39	33	41	39	21	29	25	30	35	33	17
16	35	23	29	28	38	33	31	38	35	16	23	20	25	30	27	16
15	30	19	24	23	33	28	29	35	32	12	17	15	20	24	22	15
14	26	15	20	19	28	24	26	31	29	9	12	11	15	19	17	14
13	21	12	16	17	25	21	23	27	25	6	8	7	12	14	13	13
12	18	9	13	14	22	18	19	23	21	4	5	4	10	10	10	12
11	14	7	10	12	19	16	16	20	18	3	3	3	7	7	7	11
10	11	5	8	10	16	13	13	16	15	2	2	2	5	5	5	10
9	8	4	6	9	13	11	10	12	11	1	2	2	3	3	3	9
8	5	2	4	7	10	9	8	9	8	1	1	1	2	2	2	8
7	4	1	2	6	9	7	6	6	6	1	1	1	1	1	1	7
6	2	1	2	4	7	6	4	4	4	1	1	1	1	1	1	6
5	1	1	1	3	5	4	3	3	3	1	1	1	1	1	1	5
4	1	1	1	2	3	3	2	2	2	1	1	1	1	1	1	4
3	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	3
2	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	17.5	19.4	18.5	20.6	18.3	19.4	19.8	18.5	19.1	23.1	21.1	22.0	20.4	19.4	19.9	Mean
S.D.	5.4	5.1	5.3	7.6	7.5	7.7	7.4	7.2	7.3	6.5	6.1	6.3	5.8	5.6	5.7	S.D.
Sample size	M: 1,249; W: 1,427; T: 2,676															

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	23	45	34	18	20	19	31	39	35	23	24	24	24	35	30	A (4)
B (3)	45	42	44	30	34	32	39	39	39	32	38	35	49	50	49	B (3)
C (2)	27	12	19	30	28	29	21	15	18	29	22	25	26	15	20	C (2)
D (1)	3	1	2	11	7	9	3	2	2	4	3	3	1	0	1	D (1)
F (0)	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	F (0)
Not Taken	2	1	2	9	10	10	7	4	5	13	12	13				Not Taken
Mean	2.90	3.32	3.12	2.58	2.73	2.66	3.05	3.21	3.13	2.82	2.96	2.90	2.83	3.06	2.95	Mean
S.D.	.79	.70	.77	.99	.91	.95	.82	.78	.80	.88	.81	.85	.67	.61	.65	S.D.
Sample size	M: 1,222; W: 1,395; T: 2,617															

^aRounded to the nearest whole letter grade

TABLE 2.37

ACT Score and High School Grade Norms for Students Enrolled in Midwest Region Master's Level Colleges

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	98	99	98	99	99	99	98	99	99	99	99	99	33
32	99	99	99	96	99	98	99	99	99	95	98	96	99	99	99	32
31	99	99	99	95	98	96	97	99	98	90	85	93	99	99	99	31
30	99	99	99	93	97	95	96	98	97	84	92	87	98	99	98	30
29	99	98	99	89	94	92	94	96	95	77	89	83	96	97	97	29
28	99	97	98	82	91	87	90	93	92	72	84	78	93	95	94	28
27	99	96	97	74	86	81	85	90	87	67	81	74	88	92	90	27
26	97	93	95	67	81	74	77	85	81	61	76	69	82	87	85	26
25	95	90	92	60	75	68	69	79	74	55	70	63	75	83	79	25
24	91	85	88	54	71	63	61	72	67	49	65	58	68	77	73	24
23	87	78	82	49	67	59	53	65	60	43	59	52	60	71	65	23
22	81	68	74	46	64	55	47	59	53	37	53	45	52	64	58	22
21	73	58	65	43	60	52	41	54	48	31	47	40	44	57	51	21
20	63	50	56	39	56	48	37	50	44	27	42	35	37	51	44	20
19	54	43	48	35	51	43	34	46	40	23	36	30	32	44	38	19
18	44	35	39	31	46	39	31	43	37	19	31	26	27	38	33	18
17	36	26	31	26	40	34	29	40	34	15	26	21	22	32	27	17
16	29	20	25	22	35	29	27	37	32	11	19	15	17	26	22	16
15	24	16	20	17	30	24	25	34	30	8	14	11	13	21	18	15
14	19	13	16	14	25	20	22	30	26	5	9	7	10	16	13	14
13	15	10	12	11	22	17	18	26	23	3	6	5	7	12	10	13
12	11	8	9	9	20	15	15	23	19	2	4	3	5	8	7	12
11	9	6	7	7	17	13	12	19	16	2	3	2	3	6	4	11
10	6	4	5	6	15	11	9	15	13	1	2	2	2	4	3	10
9	4	3	3	5	12	8	7	12	9	1	2	1	1	2	2	9
8	2	2	2	4	10	7	5	9	7	1	1	1	1	1	1	8
7	2	1	1	3	7	5	3	6	5	1	1	1	1	1	1	7
6	1	1	1	2	5	3	2	4	3	1	1	1	1	1	1	6
5	1	1	1	1	4	3	1	2	2	1	1	1	1	1	1	5
4	1	1	1	1	3	2	1	2	1	1	1	1	1	1	1	4
3	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	3
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	18.1	19.5	18.9	21.7	18.7	20.1	20.6	18.6	19.6	23.8	21.4	22.5	21.2	19.7	20.4	Mean
S.D.	4.7	4.7	4.8	6.8	7.3	7.2	6.8	7.1	7.0	5.8	5.8	5.9	5.1	5.3	5.3	S.D.
Sample size	M: 1,409; W: 1,581; T: 2,990															

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	25	44	35	18	22	20	33	42	38	21	26	24	22	34	28	A (4)
B (3)	48	43	46	33	33	33	41	38	39	38	37	38	55	51	53	B (3)
C (2)	22	11	16	32	27	30	19	14	17	25	21	23	22	14	18	C (2)
D (1)	3	1	2	9	7	8	3	1	2	4	3	3	1	0	1	D (1)
F (0)	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	F (0)
Not Taken	1	1	1	7	11	9	4	4	4	12	13	12				Not Taken
Mean	2.95	3.31	3.14	2.62	2.76	2.69	3.08	3.25	3.17	2.86	2.99	2.92	2.87	3.07	2.97	Mean
S.D.	.79	.71	.77	.94	.92	.94	.82	.76	.80	.84	.83	.83	.63	.61	.63	S.D.
Sample size	M: 1,395; W: 1,555; T: 2,950															

^aRounded to the nearest whole letter grade

TABLE 2.38

ACT Score and High School Grade Norms for Students Enrolled in Midwest Region PhD Level Colleges

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	93	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	93	99	98	99	98	99	99	99	98	99	99	99	99	99	34
33	99	99	99	96	98	97	99	99	99	95	99	97	99	99	99	33
32	99	99	99	94	97	96	99	99	99	91	97	94	99	99	99	32
31	99	99	99	91	96	94	96	98	97	84	94	89	98	99	99	31
30	99	99	99	87	94	90	93	97	95	76	90	83	96	98	97	30
29	99	98	98	81	91	86	90	95	93	68	85	77	93	96	94	29
28	98	96	97	73	86	80	85	92	88	62	81	71	88	93	90	28
27	97	94	96	65	81	73	78	87	82	57	76	67	82	89	85	27
26	95	91	93	57	75	66	71	81	76	52	71	61	74	83	78	26
25	93	87	90	50	69	59	62	75	68	46	65	55	65	77	71	25
24	88	80	84	44	64	54	54	67	61	40	60	50	56	70	63	24
23	82	77	77	40	60	50	46	60	53	35	55	45	49	63	56	23
22	73	63	68	37	57	47	40	53	46	30	49	39	42	57	49	22
21	64	53	58	33	53	43	35	48	42	26	43	34	35	50	42	21
20	55	44	49	29	49	39	31	44	37	22	38	30	29	43	36	20
19	46	36	41	26	45	35	28	41	34	18	33	25	24	38	31	19
18	37	29	33	23	40	31	25	37	31	15	28	22	19	32	26	18
17	29	23	26	19	35	27	23	34	28	12	23	18	16	26	21	17
16	24	19	21	15	30	22	21	31	26	9	18	14	13	22	17	16
15	19	15	17	12	26	19	19	29	24	6	14	10	10	17	14	15
14	16	12	14	10	22	16	17	26	21	4	10	7	8	14	11	14
13	13	10	11	9	18	13	14	22	18	3	7	5	6	11	8	13
12	10	8	9	7	16	11	12	19	16	2	5	3	4	8	6	12
11	7	6	7	6	14	10	10	16	13	1	3	2	3	6	4	11
10	5	4	5	5	11	8	8	13	10	1	2	2	2	4	3	10
9	3	3	3	4	9	6	6	10	8	1	1	1	1	3	2	9
8	2	2	2	3	7	5	5	7	6	1	1	1	1	2	1	8
7	1	1	1	3	6	4	3	5	4	1	1	1	1	1	1	7
6	1	1	1	2	4	3	2	4	3	1	1	1	1	1	1	6
5	1	1	1	1	3	2	1	3	2	1	1	1	1	1	1	5
4	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	4
3	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	3
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	18.9	20.0	19.5	23.3	19.9	21.6	21.7	19.5	20.6	24.9	22.0	23.5	22.4	20.5	21.4	Mean
S.D.	4.7	5.0	4.9	6.8	7.4	7.3	6.7	7.1	7.0	5.9	6.0	6.2	5.2	5.5	5.4	S.D.
Sample size	M: 2,990;			W: 2,898;			T: 5,888									

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	29	48	38	25	26	25	40	47	43	26	29	27	29	37	33	A (4)
B (3)	47	42	45	34	34	34	40	36	38	37	39	38	53	51	52	B (3)
C (2)	20	9	15	28	26	27	15	13	14	23	20	21	17	11	14	C (2)
D (1)	2	1	2	8	7	7	2	1	2	3	3	3	1	0	1	D (1)
F (0)	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	F (0)
Not Taken	1	0	1	4	6	5	4	3	3	10	10	10				Not Taken
Mean	3.04	3.37	3.20	2.77	2.83	2.80	3.22	3.31	3.26	2.95	3.04	2.99	2.98	3.13	3.06	Mean
S.D.	.78	.69	.75	.96	.93	.94	.78	.77	.77	.86	.82	.84	.63	.59	.62	S.D.
Sample size	M: 2,936;			W: 2,862;			T: 5,798									

^aRounded to the nearest whole letter grade

TABLE 2.39

ACT Score and High School Grade Norms for Students Enrolled in South/Southeast Region 2-Year Colleges

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	33
32	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	32
31	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	31
30	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	30
29	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	29
28	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	28
27	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	27
26	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	26
25	99	97	98	92	96	94	90	95	93	83	91	88	95	97	96	25
24	98	95	96	90	95	92	87	92	90	80	89	85	93	95	94	24
23	96	92	94	88	93	91	84	88	86	76	86	81	90	93	92	23
22	94	88	90	86	92	89	80	85	83	70	82	77	86	91	89	22
21	90	83	86	83	90	87	77	82	79	66	79	73	82	87	85	21
20	86	77	81	81	88	85	72	79	76	61	75	69	78	83	81	20
19	81	69	75	77	86	82	69	76	72	56	71	64	74	79	77	19
18	75	61	67	72	83	78	65	73	70	50	67	59	68	74	72	18
17	66	53	59	67	79	74	63	71	67	42	60	52	63	70	67	17
16	59	47	52	60	73	67	60	68	64	35	50	43	57	64	61	16
15	53	40	46	52	67	60	57	65	62	28	40	35	50	58	54	15
14	48	35	41	44	60	53	54	62	58	21	31	27	42	51	47	14
13	43	31	36	38	55	47	48	57	53	16	22	19	34	43	39	13
12	37	25	30	33	50	43	43	53	48	12	15	13	27	34	31	12
11	31	21	25	29	45	38	37	48	43	8	11	10	20	25	23	11
10	24	17	20	24	38	32	32	42	38	6	8	7	14	17	16	10
9	18	12	15	20	31	26	26	35	31	4	6	5	9	12	11	9
8	13	8	10	17	26	22	21	27	24	3	4	4	5	8	7	8
7	9	6	7	14	21	18	16	20	18	2	2	2	2	4	3	7
6	4	4	4	10	16	13	12	15	14	1	1	1	1	2	1	6
5	2	2	2	7	12	10	8	10	9	1	1	1	1	1	1	5
4	1	1	1	5	8	7	5	6	5	1	1	1	1	1	1	4
3	1	1	1	4	6	5	2	3	3	1	1	1	1	1	1	3
2	1	1	1	2	4	3	1	2	2	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	14.2	15.9	15.1	14.7	12.4	13.4	14.6	13.0	13.7	18.7	16.8	17.6	15.7	14.7	15.1	Mean
S.D.	5.1	5.3	5.3	6.5	6.2	6.5	7.2	6.9	7.1	6.0	5.3	5.7	5.3	5.0	5.1	S.D.
Sample size	M: 765; W: 936; T: 1,701															

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	10	25	18	10	15	13	17	26	22	11	18	15	12	20	16	A (4)
B (3)	35	46	41	26	30	28	32	38	35	29	34	32	41	34	48	B (3)
C (2)	39	22	30	37	31	34	33	24	28	33	24	28	45	25	34	C (2)
D (1)	8	3	5	13	9	11	5	3	4	7	6	6	3	1	2	D (1)
F (0)	0	0	0	2	1	1	0	0	0	0	0	0	0	0	0	F (0)
Not Taken	7	4	5	13	14	14	12	8	10	19	18	19				Not Taken
Mean	2.50	2.96	2.76	2.34	2.57	2.47	2.68	2.94	2.83	2.54	2.80	2.68	2.51	2.82	2.68	Mean
S.D.	.82	.79	.84	.93	.93	.93	.87	.85	.87	.84	.87	.87	.66	.65	.67	S.D.
Sample size	M: 724; W: 904; T: 1,628															

^aRounded to the nearest whole letter grade

TABLE 2.40

ACT Score and High School Grade Norms for Students Enrolled in South/Southeast Region 4-Year Colleges

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score		
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T			
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36		
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35		
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34		
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	33		
32	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	32		
31	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	31		
30	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	30		
29	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	29		
28	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	28		
27	98	97	98	90	95	93	91	94	93	79	90	85	92	96	95	27		
26	97	96	96	87	92	90	87	92	90	76	87	83	91	94	92	26		
25	95	93	94	83	89	86	82	88	86	73	84	79	87	91	89	25		
24	92	90	91	79	86	83	77	84	81	69	81	76	83	88	86	24		
23	90	84	87	76	83	80	72	80	77	66	77	73	79	85	83	23		
22	87	78	81	72	81	77	67	76	72	61	73	68	74	81	78	22		
21	82	71	76	69	79	75	62	73	68	58	69	64	69	76	73	21		
20	75	64	69	66	76	72	58	69	64	53	66	60	64	71	68	20		
19	68	57	62	62	72	68	55	65	61	49	61	56	52	61	57	19		
18	61	50	54	58	68	64	53	63	59	45	55	51	47	55	52	18		
17	54	41	47	53	63	59	51	61	57	39	50	46	43	50	47	17		
16	47	34	40	48	58	54	49	58	54	33	43	38	39	45	42	16		
15	41	30	34	42	53	48	46	55	52	27	34	31	34	39	37	15		
14	36	27	31	36	48	43	40	47	44	22	26	25	29	34	32	14		
13	32	24	27	33	44	39	40	47	44	16	19	18	24	28	26	13		
12	28	21	24	30	40	36	36	42	40	11	13	12	19	22	20	12		
11	23	17	20	27	36	32	32	39	36	9	9	9	15	16	15	11		
10	18	14	16	24	32	29	28	34	32	7	7	7	11	11	11	10		
9	14	12	13	20	28	24	24	28	26	6	5	5	8	7	7	9		
8	10	9	9	16	24	21	19	22	21	4	4	4	5	4	4	8		
7	7	5	6	13	20	17	15	16	16	2	3	2	3	2	2	7		
6	4	3	4	11	16	14	12	12	12	1	1	1	2	1	1	6		
5	2	2	2	9	13	11	9	8	9	1	1	1	1	1	1	5		
4	1	1	1	6	9	8	6	5	6	1	1	1	1	1	1	4		
3	1	1	1	5	6	5	4	3	4	1	1	1	1	1	1	3		
2	1	1	1	3	3	3	3	1	2	1	1	1	1	1	1	2		
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Mean	15.9	17.3	16.7	16.5	14.4	15.3	16.4	14.9	15.6	20.0	18.1	18.9	17.3	16.3	16.7	Mean		
S.D.	5.7	5.8	5.8	7.9	7.5	7.8	8.3	7.7	8.0	7.1	6.0	6.6	6.4	5.9	6.2	S.D.		
Sample size	M: 503; W: 703; T: 1,206																	

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade		
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T			
A (4)	24	37	31	17	23	20	28	38	34	17	26	22	20	32	27	A (4)		
B (3)	36	42	40	32	32	32	35	36	35	30	33	32	48	49	48	B (3)		
C (2)	35	18	25	32	26	28	29	19	23	32	21	25	31	8	23	C (2)		
D (1)	4	2	3	10	7	8	3	3	3	5	4	5	1	1	1	D (1)		
F (0)	0	0	0	1	1	1	0	0	0	1	0	1	0	0	0	F (0)		
Not Taken	1	1	1	8	12	10	5	5	5	14	16	15				Not Taken		
Mean	2.79	3.15	3.00	2.58	2.77	2.69	2.92	3.14	3.05	2.65	2.95	2.83	2.73	3.00	2.89	Mean		
S.D.	.86	.78	.83	.94	.96	.95	.85	.83	.85	.90	.88	.90	.68	.67	.69	S.D.		
Sample size	M: 471; W: 683; T: 1,154																	

^aRounded to the nearest whole letter grade

TABLE 2.41
**ACT Score and High School Grade Norms for
 Students Enrolled in South/Southeast Region Master's Level Colleges**
 ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	33
32	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	32
31	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	31
30	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	30
29	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	29
28	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	28
27	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	27
26	98	96	97	87	92	90	89	92	91	81	91	86	95	97	96	26
25	97	94	95	83	90	87	84	89	87	73	84	83	92	95	94	25
24	95	91	93	79	87	83	79	86	83	70	82	76	88	93	91	24
23	92	86	89	75	85	80	74	81	78	65	78	73	85	90	87	23
22	89	80	84	72	82	78	69	77	73	61	74	68	81	86	84	22
21	84	73	78	69	79	75	64	73	69	56	70	64	71	78	75	21
20	79	65	71	66	77	72	60	69	65	51	66	59	65	73	69	20
19	73	58	65	62	73	68	56	66	61	46	60	53	60	67	64	19
18	65	50	57	58	69	64	54	64	59	41	54	48	55	61	58	18
17	55	42	48	53	63	59	51	61	56	35	48	42	49	55	52	17
16	48	36	41	47	56	52	48	58	54	27	40	34	42	49	46	16
15	41	31	36	40	50	46	46	55	51	20	32	27	35	42	39	15
14	36	27	31	34	45	40	43	51	47	15	23	19	29	36	33	14
13	31	23	26	29	40	35	38	47	43	10	16	13	23	29	27	13
12	25	19	22	25	36	31	33	42	38	6	11	9	18	24	21	12
11	20	15	17	22	32	27	29	37	33	5	7	6	13	18	16	11
10	15	11	13	19	27	23	25	32	29	3	5	4	9	13	11	10
9	11	9	10	15	23	19	20	26	23	2	4	3	6	8	7	9
8	8	6	7	11	19	16	16	20	18	2	3	2	4	5	4	8
7	5	4	4	10	15	13	11	15	14	1	2	2	2	2	2	7
6	3	3	3	8	11	10	8	11	10	1	1	1	1	1	1	6
5	2	1	2	6	9	7	6	8	7	1	1	1	1	1	1	5
4	1	1	1	4	6	5	3	5	4	1	1	1	1	1	1	4
3	1	1	1	3	4	4	2	3	2	1	1	1	1	1	1	3
2	1	1	1	2	3	2	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	15.8	17.4	16.6	16.9	14.9	15.8	16.6	14.9	15.7	20.4	18.3	19.3	17.6	16.5	17.0	Mean
S.D.	5.2	5.5	5.4	7.3	7.1	7.3	7.6	7.4	7.6	6.3	5.8	6.1	5.7	5.5	5.6	S.D.
Sample size	M: 1,341; W: 1,633; T: 2,974															

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	16	35	26	15	20	18	26	36	32	16	23	20	16	30	24	A (4)
B (3)	39	44	42	28	33	31	36	38	37	32	35	34	48	49	49	B (3)
C (2)	38	19	27	34	28	30	26	18	22	29	23	26	34	20	26	C (2)
D (1)	6	2	4	13	10	11	4	2	3	6	3	5	2	1	2	D (1)
F (0)	1	0	0	1	1	1	0	0	0	1	0	1	0	0	0	F (0)
Not Taken	2	1	1	9	9	9	7	6	7	15	15	15				Not Taken
Mean	2.65	3.12	2.91	2.47	2.67	2.58	2.90	3.15	3.03	2.65	2.91	2.79	2.66	2.95	2.82	Mean
S.D.	.83	.78	.84	.98	.96	.97	.87	.81	.85	.92	.86	.90	.69	.66	.69	S.D.
Sample size	M: 1,304; W: 1,592; T: 2,896															

^aRounded to the nearest whole letter grade

TABLE 2.42

ACT Score and High School Grade Norms for Students Enrolled in South/Southeast Region PhD Level Colleges

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	33
32	99	99	99	98	99	98	99	99	99	99	99	97	99	99	99	32
31	99	99	99	97	99	98	98	99	99	90	98	94	99	99	99	31
30	99	99	99	95	98	96	96	99	97	84	96	89	99	99	99	30
29	99	98	99	92	97	94	94	97	95	77	93	84	97	98	97	29
28	99	97	98	88	94	91	90	94	92	72	89	80	93	97	95	28
27	98	95	97	82	90	86	85	91	88	67	85	75	89	94	91	27
26	97	92	95	74	86	80	79	87	83	62	81	71	84	91	87	26
25	94	89	92	67	81	74	72	81	76	57	77	66	77	87	82	25
24	90	85	88	61	76	68	65	76	70	53	72	62	70	82	75	24
23	86	79	82	56	72	64	59	69	63	48	67	57	63	75	69	23
22	79	69	74	53	69	60	53	63	58	42	61	51	57	68	62	22
21	71	58	65	49	64	56	48	58	53	37	56	46	50	61	55	21
20	62	49	56	45	60	52	43	53	48	32	50	40	43	54	48	20
19	54	41	48	40	56	47	39	49	44	27	43	35	37	47	42	19
18	44	32	39	35	51	42	36	46	41	23	38	30	31	41	36	18
17	35	25	31	30	45	36	33	43	38	19	32	25	26	35	30	17
16	28	20	24	24	38	31	30	40	35	14	24	19	20	29	25	16
15	22	16	19	19	32	25	28	37	32	10	18	14	16	24	19	15
14	18	13	16	15	27	21	25	33	29	7	13	9	12	18	14	14
13	15	11	13	13	23	17	21	29	25	4	8	6	9	13	11	13
12	12	8	10	10	20	15	18	24	21	2	5	4	6	10	7	12
11	8	5	7	8	16	12	15	20	17	2	3	2	3	6	5	11
10	6	4	5	7	14	10	12	17	14	1	2	2	2	4	3	10
9	3	3	3	6	12	9	9	13	11	1	2	1	1	3	2	9
8	2	2	2	5	10	7	7	10	8	1	1	1	1	2	1	8
7	1	1	1	4	9	6	5	7	6	1	1	1	1	1	1	7
6	1	1	1	3	6	4	4	5	4	1	1	1	1	1	1	6
5	1	1	1	2	4	3	2	3	3	1	1	1	1	1	1	5
4	1	1	1	1	3	2	1	1	1	1	1	1	1	1	1	4
3	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	3
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	18.3	19.6	18.9	20.7	17.9	19.4	19.8	18.0	19.0	23.3	20.3	21.9	20.7	19.1	19.9	Mean
S.D.	4.6	4.8	4.7	6.7	7.0	7.0	7.1	7.1	7.2	6.0	5.6	6.0	5.2	5.2	5.2	S.D.
Sample size	M: 1,389; W: 1,180; T: 2,569															

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	22	43	32	20	24	22	35	44	39	21	28	24	24	38	30	A (4)
B (3)	46	41	43	33	33	33	37	34	36	38	35	36	51	48	49	B (3)
C (2)	29	15	22	31	28	30	20	14	17	26	20	23	24	15	20	C (2)
D (1)	4	0	2	10	7	9	2	1	2	6	3	4	2	0	1	D (1)
F (0)	0	0	0	2	1	1	0	0	0	1	0	0	0	0	0	F (0)
Not Taken	0	1	0	4	8	6	6	7	6	11	14	12				Not Taken
Mean	2.85	3.27	3.05	2.60	2.79	2.69	3.11	3.29	3.19	2.79	3.01	2.89	2.83	3.09	2.95	Mean
S.D.	.82	.73	.81	.99	.93	.97	.82	.77	.81	.90	.84	.80	.68	.63	.67	S.D.
Sample size	M: 1,347; W: 1,152; T: 2,499															

^aRounded to the nearest whole letter grade

TABLE 2.43

ACT Score and High School Grade Norms for Students Enrolled in East/Northeast Region 2-Year Colleges

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	33
32	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	32
31	99	99	99	99	99	99	99	99	99	99	97	99	98	99	99	31
30	99	99	99	99	99	99	99	98	99	99	94	99	96	99	99	30
29	99	99	99	99	99	99	99	98	99	99	91	98	94	99	99	29
28	99	99	99	99	99	99	99	97	99	98	88	96	92	99	99	28
27	99	99	99	99	99	99	99	95	98	97	84	94	89	98	99	27
26	99	98	99	92	96	94	92	97	95	81	91	86	86	99	97	26
25	99	97	98	88	94	91	88	94	91	77	88	83	83	93	97	25
24	99	96	97	85	91	88	83	91	87	73	86	80	80	90	95	24
23	95	93	95	81	88	85	77	87	83	69	82	76	76	86	91	23
22	92	88	92	78	86	82	72	83	78	65	78	72	72	81	87	22
21	86	77	82	73	84	80	67	78	73	60	74	68	68	77	83	21
20	82	70	76	68	79	74	63	75	69	55	70	63	63	73	79	20
19	75	62	68	63	75	70	57	72	66	50	64	57	57	68	74	19
18	68	53	60	58	70	64	50	69	63	45	58	52	52	61	69	18
17	60	45	52	51	63	57	50	63	57	38	51	45	45	54	64	17
16	53	39	45	43	56	50	48	60	54	31	42	37	37	48	57	16
15	48	33	40	38	48	43	45	56	51	25	34	30	30	40	50	15
14	42	29	35	32	42	37	40	51	46	18	25	22	22	33	42	14
13	35	24	29	28	37	33	36	46	41	13	17	15	15	26	34	13
12	27	19	23	24	34	29	31	41	36	7	8	8	8	21	27	12
11	21	15	18	19	29	24	26	35	31	5	6	6	6	15	20	11
10	16	10	13	15	24	20	20	29	25	4	5	4	4	11	13	10
9	11	7	9	13	20	17	15	22	19	3	3	3	3	8	7	9
8	7	4	5	10	16	13	12	16	14	3	2	2	2	5	3	8
7	4	3	3	8	13	10	9	11	10	2	1	1	1	3	3	7
6	3	1	2	6	10	8	6	7	6	1	1	1	1	1	2	6
5	2	1	1	5	7	6	4	4	4	1	1	1	1	1	1	5
4	1	1	1	4	5	5	2	2	2	1	1	1	1	1	1	4
3	1	1	1	3	3	3	1	2	1	1	1	1	1	1	1	3
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	14.2	16.1	15.2	16.0	14.0	15.0	16.1	14.0	14.9	19.6	17.6	18.6	16.6	15.6	16.0	Mean
S.D.	4.9	5.1	5.1	6.8	5.6	6.8	7.4	6.8	7.2	6.3	5.5	6.0	5.3	5.0	5.2	S.D.
Sample size	M: 716; W: 813; T: 1,529															

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	10	22	16	9	13	11	15	20	18	6	10	8	6	13	10	A (4)
B (3)	42	53	48	28	32	30	41	43	42	30	33	32	52	61	57	B (3)
C (2)	33	21	29	38	33	36	33	28	30	36	32	34	39	25	32	C (2)
D (1)	5	2	3	11	9	10	5	4	4	7	4	6	3	1	2	D (1)
F (0)	1	0	0	3	0	1	0	0	0	1	1	1	0	0	0	F (0)
Not Taken	4	3	3	11	11	11	6	6	6	20	20	20				Not Taken
Mean	2.58	2.97	2.79	2.35	2.55	2.45	2.69	2.83	2.77	2.43	2.59	2.52	2.50	2.73	2.62	Mean
S.D.	.78	.72	.77	.93	.88	.91	.81	.80	.81	.80	.80	.80	.58	.57	.59	S.D.
Sample size	M: 670; W: 771; T: 1,441															

^aRounded to the nearest whole letter grade

TABLE 2.44

ACT Score and High School Grade Norms for Students Enrolled in East/Northeast Region 4-Year Colleges

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	33
32	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	32
31	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	31
30	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	30
29	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	29
28	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	28
27	98	97	98	86	93	89	87	94	91	77	88	82	91	96	94	27
26	97	95	96	83	89	86	80	92	86	71	84	78	88	92	90	26
25	96	92	94	79	85	82	75	87	81	67	81	74	82	88	85	25
24	93	88	90	75	81	78	70	81	76	63	78	70	76	85	81	24
23	88	83	86	71	77	74	64	75	70	57	75	66	72	81	76	23
22	83	76	80	67	75	71	59	72	65	52	70	61	67	76	72	22
21	77	68	73	63	74	68	53	67	61	47	65	56	62	72	67	21
20	71	61	66	60	72	66	48	63	56	43	59	51	56	67	61	20
19	63	52	58	56	69	63	44	59	52	37	54	45	50	60	55	19
18	55	44	49	52	65	59	42	55	48	32	47	40	44	54	49	18
17	47	35	41	47	59	53	39	53	46	27	39	33	39	49	44	17
16	41	28	35	41	51	46	37	50	43	21	32	26	33	43	38	16
15	35	23	29	35	44	40	35	47	41	16	24	20	28	35	31	15
14	30	20	25	29	38	33	33	43	38	11	17	14	23	28	25	14
13	26	17	22	25	32	28	30	39	35	8	11	9	18	22	20	13
12	23	14	18	22	28	25	27	35	31	6	5	5	13	16	15	12
11	19	11	15	18	24	21	22	29	26	4	3	4	10	10	10	11
10	16	8	12	14	21	18	17	22	20	3	2	3	8	6	7	10
9	12	6	9	12	18	15	13	18	15	3	1	2	5	3	4	9
8	9	3	6	10	15	12	9	14	12	2	1	2	3	2	2	8
7	6	1	4	8	13	10	6	11	8	1	1	1	2	1	2	7
6	3	1	2	5	9	7	4	7	6	1	1	1	1	1	1	6
5	1	1	1	3	6	5	3	5	4	1	1	1	1	1	1	5
4	1	1	1	2	5	4	2	3	2	1	1	1	1	1	1	4
3	1	1	1	2	4	3	1	1	1	1	1	1	1	1	1	3
2	1	1	1	1	3	2	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	16.6	18.3	17.5	18.2	16.1	17.1	18.7	16.3	17.5	21.5	19.4	20.5	18.9	17.7	18.3	Mean
S.D.	5.6	5.1	5.4	7.4	7.2	7.4	7.5	7.2	7.4	6.3	5.7	6.1	5.9	5.4	5.7	S.D.
Sample size	M: 329, W 336, T 665															

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	21	35	28	17	20	19	29	40	34	20	23	22	21	29	25	A (4)
B (3)	44	46	45	30	38	34	41	36	38	33	38	35	48	52	50	B (3)
C (2)	28	16	22	33	26	29	25	20	22	27	27	27	28	18	23	C (2)
D (1)	5	3	4	9	6	7	3	2	3	7	1	4	0	0	0	D (1)
F (0)	0	0	0	2	1	1	0	0	0	1	0	0	0	0	0	F (0)
Not Taken	1	0	0	9	9	9	3	2	2	11	10	11				Not Taken
Mean	2.82	3.14	2.98	2.58	2.79	2.68	2.97	3.15	3.06	2.72	2.93	2.82	2.76	3.00	2.88	Mean
S.D.	.84	.77	.82	.97	.89	.93	.84	.84	.84	.94	.78	.87	.70	.65	.69	S.D.
Sample size	M: 314; W 319, T 633															

^aRounded to the nearest whole letter grade

TABLE 2.45

ACT Score and High School Grade Norms for Students Enrolled in East/Northeast Region Master's Level Colleges

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	33
32	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	32
31	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	31
30	99	99	99	97	97	97	96	98	97	92	95	93	99	98	99	30
29	99	98	99	95	95	95	93	97	95	87	91	89	99	97	98	29
28	99	96	98	89	93	91	90	93	92	81	89	85	96	95	95	28
27	99	94	97	83	90	87	87	88	88	76	86	81	94	93	93	27
26	99	92	96	77	84	81	82	85	84	70	81	76	87	80	89	26
25	98	91	94	71	80	76	75	83	79	66	76	71	79	86	83	25
24	94	89	91	67	78	73	68	79	74	63	72	68	75	81	78	24
23	89	84	86	64	75	70	62	76	69	60	68	64	70	76	73	23
22	84	75	79	63	71	67	57	71	64	57	64	61	65	70	68	22
21	78	66	72	60	67	64	51	63	58	52	58	55	59	66	63	21
20	71	59	64	57	63	60	47	55	51	47	52	50	54	61	58	20
19	63	52	57	52	59	56	45	51	48	43	47	45	51	55	53	19
18	57	47	52	48	55	52	44	49	47	39	41	40	46	48	47	18
17	51	40	45	44	50	47	42	47	45	34	35	34	42	41	42	17
16	45	34	39	38	43	41	40	45	43	28	31	30	37	36	37	16
15	40	28	33	33	37	35	39	43	41	23	28	26	33	32	32	15
14	34	25	29	30	29	30	38	40	39	17	20	19	28	26	27	14
13	30	22	25	27	25	26	34	37	35	13	12	13	24	21	22	13
12	26	17	21	23	22	23	30	32	31	10	7	8	20	16	18	12
11	23	12	17	20	18	19	27	28	28	8	5	6	16	12	14	11
10	20	7	13	16	14	15	23	23	23	7	4	5	13	9	11	10
9	17	5	11	13	11	12	20	18	18	6	3	5	9	5	7	9
8	13	4	8	11	10	10	16	13	15	6	3	4	6	2	4	8
7	9	3	6	9	9	9	13	10	12	5	2	3	5	2	3	7
6	6	2	4	7	8	8	10	7	9	2	1	2	2	1	2	6
5	4	1	2	6	7	7	9	4	6	2	1	1	1	1	1	5
4	2	1	1	5	5	5	7	2	4	1	1	1	1	1	1	4
3	1	1	1	3	4	3	3	1	2	1	1	1	1	1	1	3
2	1	1	1	2	3	2	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	16.0	18.1	17.1	18.4	17.5	17.9	18.0	17.1	17.6	20.6	19.8	20.2	18.4	18.3	18.3	Mean
S.D.	5.8	5.6	5.8	7.9	7.3	7.6	8.4	7.6	8.0	7.1	6.2	6.7	6.5	5.9	6.2	S.D.
Sample size	M: 164; W: 188; T: 352															

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	22	47	36	25	26	25	36	44	40	22	24	23	26	39	33	A (4)
B (3)	48	38	42	31	33	32	40	37	38	38	39	39	51	49	50	B (3)
C (2)	24	13	18	23	24	23	22	15	18	30	20	25	23	12	17	C (2)
D (1)	4	1	2	12	9	11	1	1	1	2	2	2	1	1	1	D (1)
F (0)	0	0	0	3	0	1	0	0	0	0	1	0	0	0	0	F (0)
Not Taken	1	1	1	6	8	7	1	3	2	8	14	11				Not Taken
Mean	2.90	3.32	3.13	2.65	2.82	2.74	3.12	3.28	3.21	2.87	2.97	2.93	2.87	3.10	3.00	Mean
S.D.	.79	.74	.79	1.10	.96	1.03	.79	.76	.78	.79	.82	.81	.66	.58	.63	S.D.
Sample size	M: 156; W: 184; T: 340															

^aRounded to the nearest whole letter grade

TABLE 2.46

**ACT Score and High School Grade Norms for
Students Enrolled in East/Northeast Region PhD Level Colleges**

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	98	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	96	99	98	99	99	99	97	99	98	99	99	99	33
32	99	99	99	95	99	97	98	99	99	93	97	95	99	99	99	32
31	99	99	99	92	98	95	96	99	98	87	94	91	98	99	99	31
30	99	99	99	90	97	93	94	98	96	83	90	87	96	98	97	30
29	99	98	99	87	94	91	92	96	94	79	87	83	94	97	96	29
28	98	97	98	81	91	86	87	94	90	73	84	79	90	94	92	28
27	98	97	97	74	88	81	81	90	86	68	82	75	84	91	88	27
26	96	95	95	68	85	77	75	86	81	63	79	71	78	88	83	26
25	93	91	92	63	81	72	68	80	75	57	76	67	72	85	79	25
24	89	87	88	56	78	68	60	75	68	53	73	64	67	80	74	24
23	85	82	83	52	76	64	53	70	62	48	70	59	60	76	68	23
22	78	75	77	48	73	64	47	66	57	42	66	54	53	70	62	22
21	70	67	68	45	70	59	42	62	52	37	62	50	47	65	56	21
20	62	61	61	41	67	53	38	58	48	33	58	46	42	61	52	20
19	55	55	55	38	64	51	37	55	46	29	54	42	37	58	48	19
18	48	50	49	35	60	48	34	52	43	26	50	38	33	54	44	18
17	41	45	43	31	55	43	31	49	41	22	45	34	28	49	39	17
16	35	40	38	26	49	38	29	47	39	19	40	30	23	44	34	16
15	29	36	33	21	44	33	28	45	37	15	35	26	20	40	31	15
14	25	33	29	18	38	29	26	41	34	11	28	20	17	37	27	14
13	22	30	26	15	33	24	23	38	31	8	21	15	14	32	23	13
12	19	27	23	13	29	21	20	35	28	6	17	12	11	26	18	12
11	16	23	20	10	27	19	17	31	25	4	10	7	8	20	14	11
10	13	19	16	8	23	16	14	27	21	3	8	6	6	16	11	10
9	10	15	13	7	19	13	12	22	17	2	7	5	3	13	9	9
8	8	12	10	5	16	11	10	18	14	1	6	4	2	9	8	8
7	6	9	7	4	14	9	7	15	11	1	5	3	2	7	6	7
6	4	6	5	2	11	7	4	11	8	1	3	2	1	5	4	6
5	2	3	2	1	8	5	2	8	5	1	2	1	1	3	2	5
4	1	1	1	1	6	4	4	5	3	1	1	1	1	1	1	4
3	1	1	1	1	4	3	1	3	2	1	1	1	1	1	1	3
2	1	1	1	1	3	2	1	2	2	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	17.5	16.9	17.2	21.3	16.5	18.8	20.2	16.6	18.3	22.9	18.9	20.8	20.6	17.4	18.9	Mean
S.D.	5.7	6.5	6.1	7.4	7.9	8.0	7.8	8.3	8.3	6.8	7.5	7.4	6.2	6.8	6.7	S.D.
Sample size	M: 354; W: 388; T: 742															

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	32	41	37	27	25	26	38	37	38	25	27	26	27	35	31	A (4)
B (3)	46	43	44	33	34	33	42	40	41	38	38	38	54	48	51	B (3)
C (2)	19	14	16	28	25	26	16	17	17	27	25	26	19	16	17	C (2)
D (1)	2	1	2	8	9	8	2	3	2	3	4	4	0	1	0	D (1)
F (0)	1	0	0	3	1	2	0	1	0	1	0	1	0	0	0	F (0)
Not Taken	0	1	1	3	5	4	1	3	2	5	6	6				Not Taken
Mean	3.06	3.26	3.16	2.75	2.77	2.76	3.18	3.14	3.16	2.86	2.93	2.90	2.97	3.02	2.99	Mean
S.D.	.81	.73	.77	1.03	.99	1.01	.78	.84	.81	.89	.85	.87	.63	.67	.65	S.D.
Sample size	M: 338; W: 369; T: 707															

^aRounded to the nearest whole letter grade

TABLE 2.47

ACT Score and High School Grade Norms for Students under 18 Years Old at Time of Testing

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score	
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T		
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36	
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35	
34	99	99	99	98	99	99	99	99	99	99	99	99	99	99	99	34	
33	99	99	99	98	99	99	99	99	99	99	99	99	99	99	99	33	
32	99	99	99	97	99	98	98	97	99	99	91	97	99	99	99	32	
31	99	99	99	96	98	98	98	95	98	97	86	94	92	97	99	31	
30	99	98	98	94	97	96	96	93	97	96	79	91	87	96	98	30	
29	98	97	97	92	96	94	94	90	95	94	74	87	83	94	96	29	
28	97	95	96	87	93	91	91	86	92	91	69	85	80	91	94	28	
27	96	93	94	82	90	88	88	82	89	87	64	81	76	87	91	27	
26	94	91	92	75	86	83	83	78	86	83	60	76	71	81	88	26	
25	92	88	89	69	81	77	77	74	81	79	54	72	67	75	83	25	
24	89	83	85	64	78	73	73	68	77	74	47	69	62	70	79	24	
23	86	77	80	58	74	70	70	59	72	68	42	66	59	64	75	23	
22	80	72	74	54	71	66	66	52	67	62	39	62	55	58	71	22	
21	72	65	67	51	68	63	63	46	63	58	35	58	51	50	66	21	
20	62	57	59	49	64	60	60	40	59	53	31	54	47	42	60	20	
19	54	50	51	45	61	56	56	37	55	50	27	49	43	35	54	19	
18	46	43	44	41	57	52	52	36	52	47	24	45	38	31	49	18	
17	37	35	36	35	52	47	47	33	49	44	20	39	33	27	44	17	
16	32	29	30	30	46	41	41	30	46	41	16	31	27	24	39	16	
15	26	25	25	25	40	36	36	29	43	39	12	24	20	20	34	15	
14	22	22	22	20	35	30	30	26	39	35	8	18	15	16	28	14	
13	18	19	18	16	29	25	25	24	34	31	5	12	10	12	23	13	
12	13	15	14	13	27	23	23	21	30	27	4	8	7	10	17	12	
11	10	11	11	11	24	20	20	18	27	24	3	6	5	7	12	11	
10	7	8	7	8	21	17	17	15	23	21	3	5	4	5	8	10	
9	5	5	5	7	18	15	15	14	19	17	2	4	3	4	5	9	
8	3	3	3	7	16	13	13	11	14	13	1	2	2	2	3	8	
7	1	2	2	6	13	11	11	8	10	10	1	1	1	1	1	7	
6	1	1	1	5	9	8	8	5	7	7	1	1	1	1	1	6	
5	1	1	1	5	6	6	6	3	5	4	1	1	1	1	1	5	
4	1	1	1	4	4	4	4	2	2	2	1	1	1	1	1	4	
3	1	1	1	3	2	2	2	1	1	1	1	1	1	1	1	3	
2	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	2	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Mean	18.1	18.7	18.5	20.1	16.9	17.9	17.9	19.8	17.2	17.9	23.6	20.1	21.2	20.5	18.3	19.0	Mean
S.D.	5.1	5.6	5.5	7.4	7.6	7.7	7.7	7.7	7.7	7.8	6.6	6.6	6.8	5.9	6.0	6.1	S.D.
Sample size	M: 259; W: 607; T: 866																

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	30	47	42	27	26	26	38	44	42	33	31	32	30	38	36	A (4)
B (3)	47	38	41	34	33	33	38	35	36	30	36	34	54	47	49	B (3)
C (2)	18	14	15	24	25	25	15	12	13	23	21	21	15	11	14	C (2)
D (1)	3	1	1	8	9	9	2	2	2	4	2	3	1	1	1	D (1)
F (0)	0	0	0	2	1	1	0	0	0	0	0	0	0	0	0	F (0)
Not Taken	1	0	0	5	6	6	8	7	7	9	11	10				Not Taken
Mean	3.04	3.32	3.24	2.79	2.79	2.79	3.21	3.29	3.27	3.00	3.07	3.05	3.01	3.10	3.07	Mean
S.D.	.80	.74	.77	1.02	.97	.99	.77	.79	.78	.92	.82	.85	.63	.63	.64	S.D.
Sample size	M: 253; W: 591; T: 844															

^aRounded to the nearest whole letter grade

TABLE 2.48

ACT Score and High School Grade Norms for Students 18-20 Years Old at Time of Testing

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	98	99	99	99	99	99	98	99	99	99	99	99	33
32	99	99	99	97	99	98	99	99	99	95	99	97	99	99	99	32
31	99	99	99	96	99	97	98	99	99	91	97	94	99	99	99	31
30	99	99	99	94	98	96	96	98	97	85	94	90	98	99	99	30
29	99	99	99	90	96	93	94	97	96	80	91	86	96	98	97	29
28	99	98	99	86	94	90	91	95	93	75	88	81	93	97	95	28
27	98	97	98	81	90	86	87	92	90	70	84	77	90	94	92	27
26	97	95	96	75	86	81	81	89	85	65	81	73	85	91	88	26
25	95	92	93	69	82	76	75	84	79	60	76	69	79	87	83	25
24	92	87	90	64	78	71	68	79	74	55	72	64	73	82	78	24
23	88	82	85	60	75	68	62	73	68	51	68	60	67	77	72	23
22	83	74	78	57	72	65	56	68	62	45	62	54	61	72	66	22
21	76	65	70	53	68	61	51	63	57	41	57	50	55	66	61	21
20	68	57	62	50	65	58	46	58	52	36	52	45	49	60	55	20
19	61	49	55	46	61	54	43	55	49	32	47	40	43	54	49	19
18	52	41	47	42	57	50	40	52	47	28	42	35	38	48	43	18
17	44	34	39	37	51	44	38	49	44	23	36	30	33	43	38	17
16	37	28	33	32	45	39	36	46	41	18	29	24	28	37	33	16
15	32	23	27	27	40	34	33	44	39	13	22	18	23	31	27	15
14	27	20	23	23	34	29	30	40	35	10	16	13	19	25	22	14
13	23	17	20	19	30	25	26	36	31	6	10	8	15	20	18	13
12	19	13	16	17	27	22	23	31	27	4	7	5	11	16	13	12
11	15	10	12	14	23	19	19	27	23	3	4	4	8	11	10	11
10	11	8	9	12	20	16	16	22	19	2	3	3	5	8	7	10
9	8	5	6	10	16	13	12	18	15	2	2	2	3	5	4	9
8	5	4	4	8	14	11	9	13	11	1	2	1	2	3	2	8
7	3	2	3	6	11	9	7	10	8	1	1	1	1	1	1	7
6	2	1	2	5	8	7	5	7	6	1	1	1	1	1	1	6
5	1	1	1	3	6	5	3	4	4	1	1	1	1	1	1	5
4	1	1	1	2	4	3	2	2	2	1	1	1	1	1	1	4
3	1	1	1	2	3	2	1	1	1	1	1	1	1	1	1	3
2	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	17.1	18.5	17.8	19.8	17.0	18.3	19.0	17.0	17.9	22.6	20.1	21.3	19.8	18.3	19.0	Mean
S.D.	5.2	5.2	5.2	7.6	7.5	7.7	7.5	7.4	7.5	6.4	6.0	6.3	5.8	5.6	5.8	S.D.
Sample size	M: 19,127, W: 21,153, T: 40,280															

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	24	41	33	19	22	20	32	40	36	21	25	23	23	33	28	A (4)
B (3)	44	43	43	31	33	32	39	37	38	35	36	35	50	51	50	B (3)
C (2)	27	14	20	32	28	30	22	17	19	27	22	24	25	16	20	C (2)
D (1)	4	1	2	10	8	9	3	2	3	5	3	4	1	1	1	D (1)
F (0)	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	F (0)
Not Taken	1	0	1	7	9	8	4	4	4	12	13	13				Not Taken
Mean	2.88	3.24	3.07	2.60	2.74	2.67	3.04	3.20	3.12	2.80	2.96	2.88	2.82	3.03	2.93	Mean
S.D.	.82	.75	.80	.97	.93	.96	.84	.80	.83	.88	.84	.86	.67	.63	.66	S.D.
Sample size	M: 18,650, W: 20,687, T: 39,337															

^aRounded to the nearest whole letter grade

TABLE 2.49

ACT Score and High School Grade Norms for Students 21-24 Years Old at Time of Testing

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	33
32	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	32
31	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	31
30	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	30
29	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	29
28	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	28
27	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	27
26	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	26
25	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	25
24	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	24
23	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	23
22	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	22
21	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	21
20	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	20
19	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	19
18	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	18
17	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	17
16	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	16
15	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	15
14	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	14
13	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	13
12	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	12
11	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	11
10	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	10
9	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	9
8	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	8
7	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	7
6	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	6
5	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	5
4	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	4
3	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	3
2	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	2
1	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	1

Mean	140	158	147	141	124	134	156	142	150	188	170	181	15.7	14.9	15.4	Mean
S.D.	52	55	54	6.0	5.6	5.9	7.9	7.2	7.6	6.4	6.0	6.3	5.4	5.2	5.3	S.D.
Sample size	M 922: W 577: T 1,499															

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	4	13	8	6	6	6	8	12	9	6	6	6	4	7	5	A (4)
B (3)	26	46	34	22	27	24	31	35	33	23	30	26	35	52	42	B (3)
C (2)	51	30	43	46	42	44	43	38	41	44	43	44	54	40	49	C (2)
D (1)	10	3	7	15	11	14	7	4	6	11	5	9	6	1	4	D (1)
F (0)	2	0	1	1	1	1	1	0	1	1	0	1	0	0	0	F (0)
Not Taken	7	7	7	10	13	11	10	11	10	15	16	16				Not Taken

Mean	2.24	2.75	2.43	2.19	2.28	2.22	2.42	2.62	2.50	2.25	2.44	2.32	2.27	2.51	2.36	Mean
S.D.	.77	.75	.80	.84	.82	.84	.80	.77	.79	.81	.72	.78	.60	.56	.60	S.D.
Sample size	M 842: W 531: T 1,373															

^aRounded to the nearest whole letter grade

TABLE 2.50

ACT Score and High School Grade Norms for Students 25 Years and Older at Time of Testing

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
38	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	33
32	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	32
31	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	31
30	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	30
29	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	29
28	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	28
27	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	27
26	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	26
25	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	25
24	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	24
23	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	23
22	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	22
21	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	21
20	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	20
19	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	19
18	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	18
17	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	17
16	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	16
15	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	15
14	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	14
13	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	13
12	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	12
11	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	11
10	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	10
9	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	9
8	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	8
7	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	7
6	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	6
5	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	5
4	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	4
3	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	3
2	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	2
1	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	1
Mean	14.3	16.3	15.3	15.0	12.7	13.9	16.2	14.8	15.5	19.0	17.4	18.2	16.2	15.4	15.8	Mean
S.D.	5.5	5.8	5.8	6.5	6.5	6.6	7.8	8.0	7.9	6.4	6.3	6.4	5.6	5.8	5.7	S.D.
Sample size	M: 1,242; W: 1,190; T: 2,432															

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	5	19	12	8	11	9	8	16	12	6	10	8	6	14	10	A (4)
B (3)	25	42	33	23	29	26	29	34	32	22	30	26	39	50	45	B (3)
C (2)	47	27	37	40	36	38	39	30	35	41	34	38	50	35	43	C (2)
D (1)	8	2	5	10	9	10	6	3	4	6	4	5	4	1	3	D (1)
F (0)	1	0	1	1	1	1	1	0	0	1	0	1	0	0	0	F (0)
Not Taken	13	11	12	16	15	16	18	16	17	23	21	22				Not Taken
Mean	2.30	2.86	2.58	2.31	2.48	2.39	2.46	2.76	2.51	2.34	2.59	2.46	2.34	2.67	2.50	Mean
S.D.	.77	.76	.82	.87	.87	.87	.79	.80	.81	.80	.79	.81	.63	.64	.65	S.D.
Sample size	M: 1,111; W: 1,063; T: 2,174															

^aRounded to the nearest whole letter grade

TABLE 2.51

ACT Score and High School Grade Norms for Students with Family Incomes under \$3,000

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	33
32	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	32
31	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	31
30	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	30
29	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	29
28	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	28
27	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	27
26	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	26
25	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	25
24	98	96	97	98	94	92	87	93	91	81	90	87	92	95	94	24
23	97	94	95	96	93	90	84	90	88	79	88	85	90	93	92	23
22	96	91	92	93	92	89	80	87	85	75	86	82	87	91	90	22
21	93	87	89	90	89	87	78	84	82	71	84	79	83	89	87	21
20	88	83	85	86	85	85	75	82	79	68	81	76	79	86	84	20
19	84	79	81	82	83	83	72	80	77	64	78	73	75	83	80	19
18	79	73	75	76	77	77	74	85	81	59	74	69	72	80	77	18
17	73	66	69	71	81	78	69	77	74	53	68	63	67	77	73	17
16	67	61	63	66	78	73	57	74	72	46	61	56	63	72	69	16
15	61	55	57	61	73	69	64	72	69	39	53	47	59	68	65	15
14	57	49	52	56	68	64	61	69	66	31	43	38	54	63	59	14
13	53	44	47	51	63	59	57	66	63	24	32	29	48	56	53	13
12	47	39	42	46	59	54	52	62	59	18	23	21	40	49	46	12
11	40	33	36	41	52	48	47	58	54	14	17	16	32	41	38	11
10	34	28	30	35	46	42	42	52	49	9	13	12	25	32	29	10
9	27	23	25	31	39	36	36	46	42	7	10	9	19	22	21	9
8	19	17	18	27	34	31	30	39	36	5	7	7	13	14	14	8
7	14	12	12	22	28	26	25	31	29	3	5	4	8	8	8	7
6	9	8	8	18	22	20	20	24	22	2	3	3	4	4	4	6
5	5	5	5	14	16	16	14	16	15	2	2	2	2	2	2	5
4	2	3	3	10	12	11	9	10	9	1	1	1	1	1	1	4
3	1	2	1	7	8	8	6	6	6	1	1	1	1	1	1	3
2	1	1	1	5	6	6	3	3	3	1	1	1	1	1	1	2
1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1
Mean	13.1	14.1	13.7	13.5	11.5	12.2	13.3	11.6	12.3	17.6	15.6	16.4	14.5	13.3	13.8	Mean
S.D.	5.4	5.8	5.7	7.5	6.6	7.1	7.8	7.1	7.4	6.4	5.7	6.1	5.9	5.4	5.6	S.D.
Sample size	M: 594; W: 985; T: 1,579															

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	12	26	21	11	13	13	18	23	22	11	14	13	11	19	16	A (4)
B (3)	36	42	40	26	29	28	36	36	36	31	31	31	44	50	48	B (3)
C (2)	43	26	33	39	32	35	33	28	30	32	30	31	41	29	34	C (2)
D (1)	5	4	4	12	12	12	6	4	5	7	6	6	4	2	2	D (1)
F (0)	0	0	0	2	0	1	0	0	0	1	0	1	0	0	0	F (0)
Not Taken	3	3	3	10	13	12	7	8	7	18	18	18				Not Taken
Mean	2.57	2.92	2.79	2.34	2.49	2.44	2.71	2.86	2.80	2.52	2.67	2.61	2.52	2.73	2.65	Mean
S.D.	.78	.84	.83	.94	.93	.94	.85	.85	.85	.88	.85	.86	.85	.86	.87	S.D.
Sample size	M: 557; W: 949; T: 1,506															

^aRounded to the nearest whole letter grade

TABLE 2.52

ACT Score and High School Grade Norms for Students with Family Incomes of \$3,000-\$5,999

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	33
32	99	99	99	98	99	99	99	99	99	99	99	99	99	99	99	32
31	99	99	99	97	99	99	99	99	99	99	99	99	99	99	99	31
30	99	99	99	97	99	99	99	99	99	99	99	99	99	99	99	30
29	99	99	99	95	99	99	99	99	99	99	99	99	99	99	99	29
28	99	99	99	93	98	99	99	99	99	99	99	99	99	99	99	28
27	99	98	99	90	97	94	94	96	94	81	91	87	94	98	96	27
26	99	98	98	87	95	91	88	94	91	78	89	84	91	96	94	26
25	97	96	97	84	93	89	84	91	88	75	87	81	88	94	92	25
24	96	94	94	81	91	86	79	89	84	71	84	78	85	92	89	24
23	93	91	92	78	89	84	74	85	80	68	81	75	81	89	86	23
22	89	86	88	75	87	82	70	81	76	64	78	72	77	86	82	22
21	85	80	82	73	85	80	66	78	72	60	76	69	73	82	78	21
20	80	74	77	70	82	77	62	74	69	55	72	64	68	78	74	20
19	74	68	71	67	80	74	59	71	66	51	67	60	64	74	69	19
18	68	60	64	63	76	71	57	69	64	46	62	55	58	70	65	18
17	61	53	57	59	71	66	54	66	61	41	57	50	53	65	60	17
16	54	46	49	53	66	60	52	63	58	36	49	43	48	60	55	16
15	48	39	43	45	61	54	50	60	56	28	40	35	43	53	49	15
14	44	34	38	39	55	48	47	57	53	21	31	26	38	47	43	14
13	39	30	34	35	50	43	44	53	49	15	22	19	32	40	36	13
12	34	26	30	32	45	39	40	48	45	11	15	13	27	33	30	12
11	29	21	25	28	40	35	36	44	40	8	11	10	21	25	23	11
10	23	16	20	24	34	30	32	38	35	6	8	7	16	17	16	10
9	18	12	15	19	29	24	26	32	30	5	6	5	11	11	11	9
8	13	9	11	16	25	21	21	25	23	3	4	4	7	7	7	8
7	9	6	7	13	21	18	16	19	18	2	3	2	4	4	4	7
6	5	4	5	10	17	13	12	14	13	1	1	1	2	2	2	6
5	3	2	2	7	13	10	8	10	9	1	1	1	1	1	1	5
4	2	1	1	5	9	7	5	6	6	1	1	1	1	1	1	4
3	1	1	1	4	6	5	3	3	3	1	1	1	1	1	1	3
2	1	1	1	2	4	3	1	2	2	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	14.9	16.1	15.5	16.1	13.4	14.6	15.9	13.9	14.7	19.7	17.3	18.4	16.8	15.3	15.9	Mean
S.D.	5.6	5.5	5.6	7.6	7.0	7.4	8.1	7.3	7.8	6.9	5.9	6.5	6.2	5.5	5.9	S.D.
Sample size	M: 1,214; W: 1,547; T: 2,761															

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	19	31	26	16	18	17	26	31	29	17	20	19	18	25	22	A (4)
B (3)	38	45	42	28	31	30	35	38	37	28	34	32	45	52	49	B (3)
C (2)	33	20	26	34	30	32	28	21	24	31	25	28	34	22	27	C (2)
D (1)	7	2	4	13	9	11	5	4	4	7	4	6	2	1	2	D (1)
F (0)	1	0	0	2	1	1	0	0	0	1	0	0	0	0	0	F (0)
Not Taken	2	1	2	8	11	10	6	6	6	15	16	16				Not Taken
Mean	2.69	3.06	2.90	2.47	2.63	2.56	2.86	3.03	2.95	2.64	2.83	2.75	2.66	2.88	2.78	Mean
S.D.	.88	.79	.85	.99	.94	.96	.90	.85	.88	.93	.86	.89	.72	.65	.69	S.D.
Sample size	M: 1,164; W: 1,497; T: 2,661															

^aRounded to the nearest whole letter grade

TABLE 2.53

ACT Score and High School Grade Norms for Students with Family Incomes of \$6,000-\$7,499

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score		
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T			
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36		
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35		
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34		
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	33		
32	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	32		
31	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	31		
30	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	30		
29	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	29		
28	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	28		
27	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	27		
26	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	26		
25	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	25		
24	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	24		
23	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	23		
22	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	22		
21	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	21		
20	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	20		
19	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	19		
18	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	18		
17	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	17		
16	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	16		
15	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	15		
14	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	14		
13	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	13		
12	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	12		
11	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	11		
10	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	10		
9	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	9		
8	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	8		
7	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	7		
6	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	6		
5	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	5		
4	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	4		
3	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	3		
2	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	2		
1	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	1		
Mean	15.8	17.2	16.6	17.6	15.2	16.3	17.3	15.3	16.2	20.9	18.7	19.7	18.0	16.7	17.3	Mean		
S.D.	5.4	5.4	5.5	7.8	7.4	7.7	7.6	7.4	7.6	6.7	6.0	6.4	6.0	5.7	5.9	S.D.		
Sample size	M: 925; W: 1,105; T: 2,030																	

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade		
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T			
A (4)	19	40	30	17	21	20	28	39	34	20	24	22	20	34	28	A (4)		
B (3)	43	40	41	30	30	30	38	34	36	32	32	32	50	46	47	B (3)		
C (2)	31	17	24	32	29	31	23	20	21	28	25	26	28	20	24	C (2)		
D (1)	5	2	3	10	9	9	4	3	3	5	4	4	2	1	1	D (1)		
F (0)	0	0	0	1	0	1	0	0	0	1	0	1	0	0	0	F (0)		
Not Taken	1	1	1	9	11	10	6	4	5	14	15	15				Not Taken		
Mean	2.76	3.19	2.99	2.57	2.70	2.64	2.96	3.14	3.06	2.77	2.89	2.83	2.76	2.98	2.88	Mean		
S.D.	.84	.78	.84	.97	.96	.96	.85	.85	.86	.90	.89	.90	.67	.68	.69	S.D.		
Sample size	M: 897; W: 1,077; T: 1,974																	

^aRounded to the nearest whole letter grade



TABLE 2.54

ACT Score and High School Grade Norms for Students with Family Incomes of \$7,500-\$8,999

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	33
32	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	32
31	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	31
30	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	30
29	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	29
28	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	28
27	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	27
26	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	26
25	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	25
24	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	24
23	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	23
22	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	22
21	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	21
20	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	20
19	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	19
18	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	18
17	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	17
16	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	16
15	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	15
14	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	14
13	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	13
12	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	12
11	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	11
10	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	10
9	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	9
8	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	8
7	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	7
6	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	6
5	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	5
4	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	4
3	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	3
2	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	2
1	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	1
Mean	16.7	18.2	17.5	18.6	16.4	17.4	18.2	16.7	17.4	21.9	19.7	20.8	19.0	17.9	18.4	Mean
S.D.	5.2	5.2	5.3	7.7	7.4	7.6	7.6	7.3	7.5	6.5	6.1	6.4	5.9	5.6	5.8	S.D.
Sample size	M: 1,168; W: 1,285; T: 2,453															

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	22	42	33	17	23	20	29	38	34	20	27	24	20	34	27	A (4)
B (3)	41	41	41	32	32	32	37	38	37	34	35	34	50	49	50	B (3)
C (2)	31	14	22	32	25	29	25	17	21	28	22	25	28	16	22	C (2)
D (1)	4	2	3	10	9	10	3	2	3	5	3	4		1	1	D (1)
F (0)	1	0	0	1	1	1	0	0	0	1	0	0		0	0	F (0)
Not Taken	1	1	1	8	9	9	5	4	5	13	12	13				Not Taken
Mean	2.80	3.25	3.04	2.59	2.75	2.67	2.97	3.16	3.07	2.78	2.97	2.88	2.77	3.03	2.91	Mean
S.D.	.85	.76	.83	.95	.97	.97	.86	.81	.84	.88	.86	.88	.69	.66	.68	S.D.
Sample size	M: 1,129; W: 1,255; T: 2,384															

^aRounded to the nearest whole letter grade

TABLE 2.55

ACT Score and High School Grade Norms for Students with Family Incomes of \$9,000-\$11,999

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score		
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T			
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36		
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35		
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34		
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	33		
32	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	32		
31	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	31		
30	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	30		
29	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	29		
28	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	28		
27	98	97	98	98	99	98	98	99	98	97	98	98	99	98	99	27		
26	97	95	96	97	98	97	97	98	96	95	97	97	98	97	98	26		
25	95	92	94	95	96	95	94	95	93	92	93	94	93	94	95	25		
24	92	88	90	91	92	91	90	91	90	89	90	89	90	89	90	24		
23	88	83	85	86	87	86	85	86	85	84	85	84	85	84	85	23		
22	82	75	78	79	80	79	78	79	78	77	78	77	78	77	78	22		
21	75	65	70	71	72	71	70	71	70	69	70	69	70	69	70	21		
20	67	56	61	62	63	62	61	62	61	60	61	60	61	60	61	20		
19	60	47	53	54	55	54	53	54	53	52	53	52	53	52	53	19		
18	52	39	45	46	47	46	45	46	45	44	45	44	45	44	45	18		
17	44	32	38	39	40	39	38	39	38	37	38	37	38	37	38	17		
16	37	26	32	33	34	33	32	33	32	31	32	31	32	31	32	16		
15	31	21	26	27	28	27	26	27	26	25	26	25	26	25	26	15		
14	26	18	22	23	24	23	22	23	22	21	22	21	22	21	22	14		
13	22	15	18	19	20	19	18	19	18	17	18	17	18	17	18	13		
12	17	12	14	15	16	15	14	15	14	13	14	13	14	13	14	12		
11	13	9	11	12	13	12	11	12	11	10	11	10	11	10	11	11		
10	9	6	8	9	10	9	8	9	8	7	8	7	8	7	8	10		
9	6	4	5	6	7	6	5	6	5	4	5	4	5	4	5	9		
8	4	3	3	4	5	4	3	4	3	2	3	2	3	2	3	8		
7	3	2	2	3	4	3	2	3	2	1	2	1	2	1	2	7		
6	2	1	1	2	3	2	1	2	1	1	1	1	1	1	1	6		
5	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	5		
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4		
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3		
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2		
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Mean	17.3	18.7	18.0	19.9	17.1	18.5	19.4	17.3	18.3	22.8	20.3	21.5	20.0	18.4	19.2	Mean		
S.D.	5.1	5.0	5.1	7.5	7.4	7.6	7.4	7.3	7.4	6.3	5.8	6.2	5.7	5.4	5.6	S.D.		
Sample size	M: 2,690; W: 2,855; T: 5,545																	

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade		
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T			
A (4)	24	43	34	20	23	21	33	42	38	21	27	24	24	35	30	A (4)		
B (3)	43	42	42	32	33	32	38	37	38	35	37	36	50	50	50	B (3)		
C (2)	27	13	20	31	26	28	20	15	18	25	20	23	25	15	20	C (2)		
D (1)	4	1	2	9	8	8	3	2	2	4	3	4	1	0	1	D (1)		
F (0)	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	F (0)		
Not Taken	1	1	1	7	10	9	5	4	4	13	13	13				Not Taken		
Mean	2.88	3.28	3.09	2.66	2.78	2.72	3.07	3.23	3.15	2.84	3.00	2.92	2.85	3.07	2.96	Mean		
S.D.	.83	.74	.81	.96	.93	.95	.84	.79	.82	.87	.83	.85	.67	.62	.66	S.D.		
Sample size	M: 2,630; W: 2,778; T: 5,408																	

^aRounded to the nearest whole letter grade

TABLE 2.56

ACT Score and High School Grade Norms for Students with Family Incomes of \$12,000-\$14,999

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score		
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T			
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36		
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35		
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34		
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	33		
32	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	32		
31	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	31		
30	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	30		
29	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	29		
28	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	28		
27	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	27		
26	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	26		
25	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	25		
24	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	24		
23	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	23		
22	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	22		
21	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	21		
20	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	20		
19	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	19		
18	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	18		
17	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	17		
16	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	16		
15	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	15		
14	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	14		
13	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	13		
12	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	12		
11	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	11		
10	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	10		
9	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	9		
8	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	8		
7	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	7		
6	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	6		
5	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	5		
4	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	4		
3	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	3		
2	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	2		
1	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	1		
Mean	17.6	19.2	18.4	20.3	17.6	19.0	19.7	17.8	18.8	23.0	20.9	22.0	20.3	19.0	19.7	Mean		
S.D.	4.9	4.8	4.9	7.3	7.2	7.4	7.1	7.1	7.2	6.2	5.8	6.1	5.4	5.3	5.4	S.D.		
Sample size	M: 2,946; W: 2,875; T: 5,821																	

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade		
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T			
A (4)	25	44	34	20	23	21	34	42	38	22	27	24	25	35	30	A (4)		
B (3)	44	43	44	32	34	33	39	38	39	26	37	36	52	51	51	B (3)		
C (2)	26	11	19	32	26	29	20	14	17	26	21	24	23	13	18	C (2)		
D (1)	3	1	2	9	7	8	2	2	2	4	3	3	1	0	1	D (1)		
F (0)	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	F (0)		
Not Taken	1	1	1	7	10	8	5	3	4	12	12	12				Not Taken		
Mean	2.92	3.31	3.11	2.65	2.79	2.72	3.10	3.24	3.17	2.85	3.00	2.92	2.88	3.08	2.98	Mean		
S.D.	.81	.71	.78	.96	.93	.95	.82	.78	.80	.86	.82	.85	.65	.61	.64	S.D.		
Sample size	M: 2,880; W: 2,816; T: 5,696																	

^aRounded to the nearest whole letter grade

TABLE 2.57

ACT Score and High School Grade Norms for Students with Family Incomes of \$15,000-\$19,999

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
38	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	38
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	98	99	99	99	99	99	99	99	99	93	99	99	34
33	99	99	99	97	99	99	99	99	99	99	99	98	99	99	99	33
32	99	99	99	96	99	98	99	99	99	94	98	96	99	99	99	32
31	99	99	99	95	99	97	99	98	99	89	96	93	99	99	99	31
30	99	99	99	92	97	95	96	98	97	83	93	88	98	99	98	30
29	99	98	99	89	95	92	93	97	95	76	89	82	95	98	97	29
28	99	97	98	84	93	88	90	95	92	70	85	77	92	96	94	28
27	98	96	97	78	88	83	85	91	88	65	81	73	88	93	90	27
26	97	94	95	71	83	77	79	86	83	60	77	68	82	89	86	26
25	95	90	92	64	78	71	72	80	76	55	72	63	76	84	80	25
24	91	85	88	59	73	66	65	74	69	50	68	59	68	79	74	24
23	87	79	83	54	69	62	57	68	62	44	62	53	62	72	67	23
22	81	70	75	50	66	58	50	61	56	39	55	47	54	66	60	22
21	73	60	67	47	63	55	44	56	50	35	49	42	48	59	53	21
20	64	51	58	43	58	51	39	51	45	30	43	36	42	53	47	20
19	55	43	49	40	54	47	36	47	42	25	37	31	36	47	41	19
18	45	34	40	36	50	43	34	44	39	21	33	27	30	40	35	18
17	37	27	32	30	44	37	31	41	36	17	27	22	25	33	29	17
16	30	22	26	25	38	31	29	38	34	13	20	17	20	28	24	16
15	25	17	21	21	33	27	26	36	31	9	15	12	16	22	19	15
14	20	13	17	18	28	23	23	32	27	6	10	8	13	17	15	14
13	16	11	14	15	24	20	20	27	23	4	6	5	9	12	11	13
12	13	8	10	13	21	17	16	23	20	2	3	3	7	8	8	12
11	10	6	8	11	18	14	14	20	17	2	2	2	4	6	5	11
10	7	4	5	9	15	12	11	15	13	1	2	1	3	4	3	10
9	5	2	4	7	12	10	8	11	9	1	1	1	2	2	2	9
8	3	1	2	6	10	8	5	8	7	1	1	1	1	1	1	8
7	2	1	1	5	8	6	4	5	4	1	1	1	1	1	1	7
6	1	1	1	4	5	4	2	3	3	1	1	1	1	1	1	6
5	1	1	1	3	4	3	2	2	2	1	1	1	1	1	1	5
4	1	1	1	2	3	2	1	1	1	1	1	1	1	1	1	4
3	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	3
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	18.0	19.4	18.7	20.9	18.2	19.5	20.2	18.4	19.3	23.6	21.2	22.4	20.8	19.4	20.1	Mean
S.D.	4.8	4.7	4.8	7.3	7.2	7.4	6.9	7.0	7.0	6.1	5.7	6.0	5.4	5.2	5.3	S.D.
Sample size	M: 2,443; W: 2,457; T: 4,900															

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	25	46	35	20	23	21	35	44	39	24	26	25	24	36	30	A (4)
B (3)	47	41	44	31	32	32	40	35	38	35	37	36	53	50	51	B (3)
C (2)	24	12	18	32	28	30	18	15	17	26	22	24	22	14	18	C (2)
D (1)	3	1	2	9	7	8	3	2	2	5	2	3	1	0	1	D (1)
F (0)	0	0	0	2	1	1	0	0	0	0	0	0	0	0	0	F (0)
Not Taken	1	0	1	6	9	8	4	4	4	10	13	12	Not Taken			
Mean	2.94	3.32	3.13	2.62	2.77	2.69	3.10	3.27	3.19	2.86	3.00	2.93	2.87	3.09	2.98	Mean
S.D.	.80	.72	.78	.98	.93	.96	.82	.78	.81	.88	.81	.85	.66	.61	.65	S.D.
Sample size	M: 2,384; W: 2,406; T: 4,790															

^aRounded to the nearest whole letter grade

TABLE 2.58

ACT Score and High School Grade Norms for Students with Family Incomes \$20,000 and over

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	98	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	97	99	98	99	99	99	97	99	98	99	99	99	33
32	99	99	99	96	99	97	98	99	99	93	98	95	99	99	99	32
31	99	99	99	94	98	96	97	99	98	88	95	91	99	99	99	31
30	99	99	99	91	97	94	95	97	96	81	92	86	97	99	98	30
29	99	98	98	87	95	91	92	95	94	74	88	81	95	97	96	29
28	99	96	98	81	91	86	88	92	90	68	83	75	91	94	93	28
27	98	94	96	75	87	80	82	89	85	63	79	70	86	81	88	27
26	96	92	94	68	81	74	76	84	80	57	74	65	80	87	83	26
25	94	88	91	61	76	68	69	78	73	51	69	60	72	81	77	25
24	90	83	87	55	70	62	61	72	66	46	65	55	65	76	70	24
23	85	76	81	51	66	58	54	66	60	41	59	50	58	70	64	23
22	78	67	73	48	63	55	48	59	53	35	53	44	51	63	57	22
21	70	56	63	44	59	51	42	54	48	31	47	39	45	56	50	21
20	61	47	54	40	56	48	37	49	43	26	42	34	39	50	44	20
19	53	39	46	36	51	43	34	46	39	22	36	29	33	43	38	19
18	43	31	37	32	46	38	31	43	37	18	31	24	22	37	32	18
17	35	23	29	27	40	33	29	40	34	14	26	20	22	31	26	17
16	29	18	24	22	34	28	27	37	32	10	19	15	18	25	21	16
15	24	14	19	17	29	23	24	35	29	7	13	10	13	20	17	15
14	19	11	16	14	24	19	21	31	26	5	8	6	10	15	12	14
13	16	9	13	12	21	16	18	26	22	3	5	4	7	11	9	13
12	12	7	10	10	18	14	12	22	19	1	3	2	5	7	6	12
11	9	5	7	9	16	12	12	18	15	1	2	1	3	5	4	11
10	6	3	4	7	14	10	10	14	12	1	1	1	2	3	2	10
9	4	2	3	6	11	8	7	10	9	1	1	1	1	1	1	9
8	2	1	1	5	9	7	5	8	6	1	1	1	1	1	1	8
7	1	1	1	4	7	5	3	5	4	1	1	1	1	1	1	7
6	1	1	1	3	5	4	2	3	2	1	1	1	1	1	1	6
5	1	1	1	2	4	3	1	2	1	1	1	1	1	1	1	5
4	1	1	1	1	3	2	1	1	1	1	1	1	1	1	1	4
3	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	3
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	18.3	19.9	19.1	21.6	18.8	20.2	20.7	18.8	19.8	24.2	21.5	22.9	21.3	19.9	20.6	Mean
S.D.	4.8	4.7	4.8	7.1	7.2	7.3	6.9	7.1	7.0	5.8	5.7	5.9	5.2	5.2	5.3	S.D.
Sample size	M: 3,049; W: 2,800; T: 5,849															

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	26	46	36	20	23	22	36	45	40	23	29	26	26	37	31	A (4)
B (3)	47	41	44	31	34	32	39	37	38	35	36	36	50	50	50	B (3)
C (2)	23	11	17	31	27	29	19	13	16	27	20	23	23	13	18	C (2)
D (1)	3	1	2	11	7	9	2	1	2	5	3	4	1	0	1	D (1)
F (0)	0	0	0	1	1	1	0	0	0	1	0	0	0	0	0	F (0)
Not Taken	1	0	1	6	8	7	3	4	4	10	12	11	Not Taken			
Mean	2.97	3.33	3.14	2.62	2.78	2.70	3.12	3.29	3.20	2.84	3.04	2.93	2.88	3.11	2.99	Mean
S.D.	.79	.72	.78	.98	.93	.96	.82	.76	.80	.89	.82	.86	.66	.61	.65	S.D.
Sample size	M: 2,987; W: 2,758; T: 5,745															

^aRounded to the nearest whole letter grade

TABLE 2.59

ACT Score and High School Grade Norms for Students Who Chose Not to Disclose Family Income

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	98	99	99	99	99	99	99	99	99	99	99	99	33
32	99	99	99	98	99	98	99	99	99	95	98	97	99	99	99	32
31	99	99	99	96	98	97	98	99	99	91	96	94	99	99	99	31
30	99	99	99	94	97	96	96	98	97	85	94	90	98	99	99	30
29	99	99	99	91	95	93	94	97	96	80	90	86	97	98	97	29
28	99	98	98	87	92	90	91	95	93	75	87	82	94	96	95	28
27	98	96	97	82	88	85	87	91	89	70	84	78	90	93	92	27
26	97	94	95	76	84	81	81	87	85	65	80	73	85	90	88	26
25	95	90	92	70	80	76	74	82	79	60	75	69	79	85	83	25
24	93	85	88	65	76	71	68	76	73	55	71	64	74	80	77	24
23	89	79	83	60	73	67	61	70	66	50	66	59	67	75	72	23
22	83	70	76	57	70	64	55	65	60	45	60	53	61	69	65	22
21	76	61	68	54	66	61	50	60	55	40	55	49	55	63	59	21
20	68	53	60	51	63	58	45	56	51	36	50	44	49	58	54	20
19	61	46	53	47	58	53	42	52	48	31	44	38	43	51	48	19
18	53	38	45	43	53	49	40	49	45	27	39	33	37	45	42	18
17	44	31	37	39	48	43	37	46	42	22	32	28	32	39	36	17
16	37	25	30	32	41	37	33	43	40	17	25	21	27	33	30	16
15	31	21	25	27	35	32	30	40	37	13	18	16	22	27	25	15
14	26	17	21	22	31	27	30	36	33	9	13	11	18	22	20	14
13	22	14	17	19	27	23	22	32	30	6	9	8	13	17	15	13
12	18	11	14	16	23	20	19	24	22	4	5	5	10	12	11	12
11	14	8	11	13	20	17	15	19	18	3	3	3	7	9	8	11
10	10	6	7	11	17	15	12	15	13	2	2	2	4	6	5	10
9	7	4	5	9	14	11	9	11	10	1	1	1	3	3	3	9
8	4	3	3	7	11	9	6	8	7	1	1	1	2	2	2	8
7	3	2	2	5	9	7	4	6	5	1	1	1	1	1	1	7
6	2	1	1	4	7	6	4	5	4	1	1	1	1	1	1	6
5	1	1	1	3	5	4	3	3	3	1	1	1	1	1	1	5
4	1	1	1	2	3	3	2	2	2	1	1	1	1	1	1	4
3	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	3
2	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	17.2	19.0	18.2	19.7	17.6	18.5	19.2	17.6	18.3	22.7	20.5	21.5	19.8	18.8	19.2	Mean
S.D.	5.1	5.0	5.1	7.4	7.4	7.5	7.4	7.3	7.4	6.3	5.9	6.2	5.6	5.5	5.6	S.D.
Sample size	M: 3,883; W: 4,988; T: 8,871															

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	23	40	32	18	22	20	30	39	35	20	25	23	22	32	28	A (4)
B (3)	41	44	43	30	33	31	38	37	38	33	36	35	49	51	50	B (3)
C (2)	30	15	21	32	29	30	24	17	20	28	21	24	27	16	21	C (2)
D (1)	4	1	2	11	8	9	3	2	2	5	3	4	2	1	1	D (1)
F (0)	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	F (0)
Not Taken	1	1	1	8	9	8	5	5	5	13	14	13				Not Taken
Mean	2.83	3.23	3.06	2.57	2.74	2.67	2.99	3.19	3.11	2.78	2.96	2.88	2.79	3.03	2.92	Mean
S.D.	.84	.74	.81	.98	.93	.96	.85	.80	.83	.89	.84	.87	.69	.63	.66	S.D.
Sample size	M: 3,760; W: 4,868; T: 8,628															

^aRounded to the nearest whole letter grade

TABLE 2.60

ACT Score and High School Grade Norms for Students Planning to Major in Agriculture

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	33
32	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	32
31	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	31
30	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	30
29	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	29
28	99	97	99	99	99	99	99	99	99	99	99	99	99	99	99	28
27	99	95	98	99	99	99	99	99	99	99	99	99	99	99	99	27
26	99	93	98	99	99	99	99	99	99	99	99	99	99	99	99	26
25	98	90	96	99	99	99	99	99	99	99	99	99	99	99	99	25
24	96	85	94	99	99	99	99	99	99	99	99	99	99	99	99	24
23	93	77	90	99	99	99	99	99	99	99	99	99	99	99	99	23
22	89	70	85	99	99	99	99	99	99	99	99	99	99	99	99	22
21	83	62	79	99	99	99	99	99	99	99	99	99	99	99	99	21
20	76	54	72	99	99	99	99	99	99	99	99	99	99	99	99	20
19	68	48	65	99	99	99	99	99	99	99	99	99	99	99	99	19
18	59	39	56	99	99	99	99	99	99	99	99	99	99	99	99	18
17	50	31	47	99	99	99	99	99	99	99	99	99	99	99	99	17
16	43	26	40	99	99	99	99	99	99	99	99	99	99	99	99	16
15	36	21	33	99	99	99	99	99	99	99	99	99	99	99	99	15
14	30	17	28	99	99	99	99	99	99	99	99	99	99	99	99	14
13	26	14	24	99	99	99	99	99	99	99	99	99	99	99	99	13
12	21	11	19	99	99	99	99	99	99	99	99	99	99	99	99	12
11	16	9	15	99	99	99	99	99	99	99	99	99	99	99	99	11
10	12	7	11	99	99	99	99	99	99	99	99	99	99	99	99	10
9	8	5	8	99	99	99	99	99	99	99	99	99	99	99	99	9
8	5	3	5	99	99	99	99	99	99	99	99	99	99	99	99	8
7	3	2	3	99	99	99	99	99	99	99	99	99	99	99	99	7
6	2	1	2	99	99	99	99	99	99	99	99	99	99	99	99	6
5	1	1	1	99	99	99	99	99	99	99	99	99	99	99	99	5
4	1	1	1	99	99	99	99	99	99	99	99	99	99	99	99	4
3	1	1	1	99	99	99	99	99	99	99	99	99	99	99	99	3
2	1	1	1	99	99	99	99	99	99	99	99	99	99	99	99	2
1	1	1	1	99	99	99	99	99	99	99	99	99	99	99	99	1
Mean	16.4	19.0	16.8	18.1	18.0	18.1	18.1	19.0	18.2	22.5	22.5	22.5	18.9	19.7	19.0	Mean
S.D.	4.8	5.2	5.0	7.1	7.3	7.2	7.3	7.4	7.3	5.9	6.0	5.9	5.3	5.7	5.4	S.D.
Sample size	M: 1,564; W: 335; T: 1,899															

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	17	44	22	12	18	13	25	42	28	16	28	18	15	31	18	A (4)
B (3)	46	40	45	29	33	30	42	40	42	37	34	37	54	53	54	B (3)
C (2)	32	15	29	37	30	36	25	14	23	30	23	28	30	15	28	C (2)
D (1)	4	1	4	12	10	12	3	1	3	6	3	5	1	1	1	D (1)
F (0)	0	0	0	2	1	1	0	0	0	0	0	0	0	0	0	F (0)
Not Taken	1	0	1	9	9	9	4	2	4	11	12	11				Not Taken
Mean	2.76	3.26	2.85	2.41	2.64	2.45	2.94	3.26	2.99	2.70	2.99	2.75	2.70	3.02	2.75	Mean
S.D.	.78	.77	.80	.93	.94	.94	.81	.77	.81	.85	.84	.85	.62	.62	.63	S.D.
Sample size	M: 1,522; W: 329; T: 1,851															

^aRounded to the nearest whole letter grade

TABLE 2.61

ACT Score and High School Grade Norms for Students Planning to Major in Architecture

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	33
32	99	99	99	98	99	98	99	99	99	96	99	97	99	99	99	32
31	99	99	99	97	99	97	99	99	99	93	98	94	99	99	99	31
30	99	99	99	94	97	95	98	99	98	88	96	90	99	99	99	30
29	99	99	99	91	96	92	97	98	97	83	93	86	97	99	98	29
28	99	98	99	86	94	89	94	97	95	78	91	82	95	97	95	28
27	99	97	98	81	91	84	90	95	92	74	88	78	91	95	93	27
26	98	95	97	74	87	78	84	92	87	70	83	74	86	92	88	26
25	96	92	95	66	81	71	78	87	81	65	78	69	81	88	83	25
24	94	88	92	60	76	65	72	83	75	59	74	63	76	84	78	24
23	91	84	89	56	73	61	66	78	70	53	70	58	70	79	73	23
22	85	78	83	52	69	57	61	72	64	47	65	52	62	75	66	22
21	77	70	75	49	66	54	56	67	59	43	59	48	55	70	60	21
20	69	63	67	45	63	50	52	64	55	37	55	43	49	64	54	20
19	63	56	61	40	60	46	48	61	52	32	50	38	44	57	48	19
18	54	45	51	36	56	42	44	58	48	28	43	33	38	51	42	18
17	44	35	41	31	50	37	42	54	45	23	36	27	32	45	36	17
16	36	29	34	26	44	31	40	50	43	18	29	22	27	37	30	16
15	31	26	30	21	39	27	38	48	41	14	22	16	22	32	25	15
14	29	22	26	18	33	23	34	45	37	9	15	11	17	27	20	14
13	23	19	21	16	29	20	29	40	32	6	10	7	13	21	16	13
12	17	15	16	14	26	17	24	34	27	4	7	5	10	17	12	12
11	13	10	12	12	22	15	20	29	23	3	4	3	7	12	8	11
10	9	7	8	9	19	12	16	24	18	2	2	2	5	8	6	10
9	6	6	6	7	16	10	11	19	14	1	2	1	3	5	4	9
8	4	4	4	6	14	9	8	14	10	1	2	1	2	2	2	8
7	2	2	2	5	12	7	6	9	7	1	2	1	1	1	1	7
6	1	1	1	4	8	5	4	6	5	1	1	1	1	1	1	6
5	1	1	1	3	7	4	2	4	2	1	1	1	1	1	1	5
4	1	1	1	2	3	2	1	2	1	1	1	1	1	1	1	4
3	1	1	1	2	1	2	1	1	1	1	1	1	1	1	1	3
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	17.1	18.1	17.4	20.5	17.2	19.5	18.4	16.2	17.7	22.2	19.8	21.5	19.7	17.9	19.2	Mean
S.D.	4.9	5.1	5.0	7.2	7.5	7.4	7.1	7.1	7.2	6.1	5.8	6.1	5.5	5.5	5.5	S.D.
Sample size	M 558, W 243, T 801															

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	21	33	25	16	18	17	31	33	31	14	21	16	19	24	21	A (4)
B (3)	41	48	43	33	30	32	37	37	37	37	30	35	52	53	52	B (3)
C (2)	33	17	28	34	36	35	23	22	23	28	29	28	27	21	25	C (2)
D (1)	5	1	4	9	7	9	4	3	4	4	4	4	2	2	2	D (1)
F (0)	0	0	0	1	2	1	0	0	0	0	1	1	0	0	0	F (0)
Not Taken	0	1	1	6	8	7	5	4	5	16	16	16				Not Taken
Mean	2.79	3.13	2.89	2.58	2.59	2.58	2.98	3.05	3.00	2.72	2.77	2.74	2.76	2.89	2.80	Mean
S.D.	.84	.73	.82	.92	.94	.93	.88	.85	.87	.82	.92	.85	.67	.66	.67	S.D.
Sample size	M 541, W 241, T 782															

^aRounded to the nearest whole letter grade

TABLE 2.62

ACT Score and High School Grade Norms for Students Planning to Major in Biological Sciences

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	98	99	99	99	99	99	98	99	99	99	99	99	34
33	99	99	99	97	99	98	99	99	99	94	98	96	99	99	99	33
32	99	99	99	96	98	97	99	99	99	88	94	91	99	99	99	32
31	99	99	99	94	98	96	97	98	98	81	89	85	99	99	99	31
30	99	99	99	91	96	93	94	97	96	73	84	78	97	97	97	30
29	99	98	98	88	92	90	91	94	93	65	77	71	95	95	95	29
28	99	96	97	82	86	84	87	90	88	57	71	64	90	92	91	28
27	98	94	96	74	80	77	82	84	83	50	65	57	84	87	85	27
26	97	91	94	66	73	69	74	77	76	42	60	51	76	79	78	26
25	94	86	90	58	68	63	66	70	68	36	54	45	67	72	69	25
24	90	79	85	50	63	56	57	63	60	32	49	40	58	64	61	24
23	84	71	77	45	59	52	48	55	51	28	43	36	49	56	53	23
22	75	60	68	42	54	48	42	48	45	25	37	31	41	49	45	22
21	66	50	58	38	49	44	37	43	40	21	33	27	34	43	38	21
20	55	42	49	35	45	40	32	39	35	18	30	24	28	37	32	20
19	47	35	41	32	40	36	28	36	32	15	25	20	24	33	28	19
18	40	28	34	27	35	31	26	34	30	13	21	17	20	28	24	18
17	32	23	27	23	30	26	24	32	28	10	17	14	18	23	21	17
16	26	18	22	19	26	22	23	31	26	8	14	11	16	20	18	16
15	21	15	18	15	22	18	20	29	24	6	11	8	12	16	14	15
14	16	13	14	11	19	15	18	26	22	4	8	6	8	13	11	14
13	13	10	12	9	17	13	15	22	19	3	5	4	6	11	8	13
12	10	8	9	8	14	11	13	18	16	3	4	3	5	8	6	12
11	7	6	7	7	13	10	11	15	13	2	2	2	3	5	4	11
10	5	4	4	6	11	8	9	12	10	1	2	2	2	3	3	10
9	3	2	3	5	9	7	7	9	8	1	2	1	2	2	2	9
8	2	2	2	4	7	5	5	6	6	1	1	1	1	1	1	8
7	1	1	1	3	5	4	4	4	4	1	1	1	1	1	1	7
6	1	1	1	2	4	3	3	2	2	1	1	1	1	1	1	6
5	1	1	1	1	4	2	2	2	2	1	1	1	1	1	1	5
4	1	1	1	1	3	2	1	1	1	1	1	1	1	1	1	4
3	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	3
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	18.7	20.2	19.4	22.2	20.3	21.3	21.4	20.1	20.8	25.8	23.5	24.7	22.1	21.1	21.7	Mean
S.D.	4.7	5.0	4.9	6.7	7.3	7.0	6.7	7.1	7.0	5.9	6.2	6.2	5.2	5.6	5.4	S.D.
Sample size	M: 673; W: 628; T: 1,301															

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	35	52	43	22	28	25	42	51	46	38	42	40	34	48	41	A (4)
B (3)	43	39	41	33	38	35	35	35	35	34	40	37	50	45	47	B (3)
C (2)	19	8	14	28	23	26	17	10	13	19	13	16	15	7	11	C (2)
D (1)	2	1	1	9	4	7	1	1	1	3	1	2	0	0	0	D (1)
F (0)	0	0	0	1	0	1	0	0	0	1	0	0	0	0	0	F (0)
Not Taken	1	0	1	6	6	6	5	4	5	5	4	5				Not Taken
Mean	3.12	3.42	3.27	2.71	2.95	2.83	3.24	3.41	3.33	3.10	3.29	3.19	3.04	3.27	3.15	Mean
S.D.	.80	.67	.75	.97	.87	.93	.78	.70	.75	.89	.74	.83	.65	.54	.61	S.D.
Sample size	M: 658; W: 615; T: 1,273															

^aRounded to the nearest whole letter grade

TABLE 2.63

ACT Score and High School Grade Norms for Students Planning to Major in Business and Commerce

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	33
32	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	32
31	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	31
30	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	30
29	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	29
28	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	28
27	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	27
26	98	97	98	99	99	99	99	99	99	99	99	99	99	99	99	26
25	97	95	96	99	99	99	99	99	99	99	99	99	99	99	99	25
24	95	92	94	99	99	99	99	99	99	99	99	99	99	99	99	24
23	93	88	90	99	99	99	99	99	99	99	99	99	99	99	99	23
22	88	82	85	99	99	99	99	99	99	99	99	99	99	99	99	22
21	82	74	78	99	99	99	99	99	99	99	99	99	99	99	99	21
20	74	66	70	99	99	99	99	99	99	99	99	99	99	99	99	20
19	67	58	62	99	99	99	99	99	99	99	99	99	99	99	99	19
18	57	49	53	99	99	99	99	99	99	99	99	99	99	99	99	18
17	48	42	45	99	99	99	99	99	99	99	99	99	99	99	99	17
16	41	35	38	99	99	99	99	99	99	99	99	99	99	99	99	16
15	35	29	32	99	99	99	99	99	99	99	99	99	99	99	99	15
14	29	25	27	99	99	99	99	99	99	99	99	99	99	99	99	14
13	25	21	23	99	99	99	99	99	99	99	99	99	99	99	99	13
12	20	17	19	99	99	99	99	99	99	99	99	99	99	99	99	12
11	15	13	14	99	99	99	99	99	99	99	99	99	99	99	99	11
10	11	10	11	99	99	99	99	99	99	99	99	99	99	99	99	10
9	8	7	8	99	99	99	99	99	99	99	99	99	99	99	99	9
8	5	5	5	99	99	99	99	99	99	99	99	99	99	99	99	8
7	3	3	3	99	99	99	99	99	99	99	99	99	99	99	99	7
6	2	2	2	99	99	99	99	99	99	99	99	99	99	99	99	6
5	1	1	1	99	99	99	99	99	99	99	99	99	99	99	99	5
4	1	1	1	99	99	99	99	99	99	99	99	99	99	99	99	4
3	1	1	1	99	99	99	99	99	99	99	99	99	99	99	99	3
2	1	1	1	99	99	99	99	99	99	99	99	99	99	99	99	2
1	1	1	1	99	99	99	99	99	99	99	99	99	99	99	99	1
Mean	16.5	17.4	17.0	18.9	15.2	17.0	18.3	14.8	16.5	21.1	18.0	19.6	18.8	16.5	17.7	Mean
S.D.	4.9	5.1	5.0	7.3	7.2	7.4	7.2	7.1	7.4	6.0	5.5	6.0	5.4	5.3	5.5	S.D.
Sample size	M: 3,092; W: 3,143; T: 6,235															

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	19	35	27	15	22	19	25	34	29	14	21	17	16	29	22	A (4)
B (3)	45	46	46	31	33	32	43	38	41	34	32	33	55	52	53	B (3)
C (2)	31	17	24	35	26	31	25	21	23	31	25	28	28	19	23	C (2)
D (1)	4	1	3	10	7	9	3	2	3	5	4	4	2	1	1	D (1)
F (0)	0	0	0	1	0	1	0	0	0	1	0	0	0	0	0	F (0)
Not Taken	1	1	1	8	11	9	4	5	5	15	19	17				Not Taken
Mean	2.79	3.14	2.97	2.53	2.78	2.65	2.94	3.09	3.01	2.66	2.85	2.76	2.72	2.96	2.84	Mean
S.D.	.79	.75	.79	.93	.93	.94	.80	.82	.82	.84	.86	.86	.63	.64	.64	S.D.
Sample size	M: 3,007; W: 3,069; T: 6,076															

^aRounded to the nearest whole letter grade

TABLE 2.64

ACT Score and High School Grade Norms for Students Planning to Major in Communications

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	33
32	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	32
31	99	98	99	99	99	99	97	99	98	95	96	96	99	99	99	31
30	99	98	99	98	98	98	95	98	96	91	92	92	99	99	99	30
29	99	97	98	96	97	97	92	95	94	87	88	87	96	96	98	29
28	98	96	97	93	95	94	88	91	89	82	84	83	96	95	95	28
27	97	93	95	88	92	90	83	87	85	77	81	79	92	92	92	27
26	96	89	93	84	87	85	78	82	80	72	76	75	88	87	87	26
25	93	84	89	80	83	81	71	76	73	68	74	70	82	81	82	25
24	89	77	84	76	80	78	63	67	65	63	69	66	76	76	76	24
23	83	69	77	72	77	74	54	59	56	57	63	50	70	70	70	23
22	76	60	69	69	73	71	47	53	50	51	57	53	63	64	64	22
21	68	50	60	65	69	67	43	47	45	44	51	47	57	56	56	21
20	61	42	53	61	63	62	38	42	40	39	45	42	50	49	49	20
19	55	36	47	57	59	58	35	39	37	35	40	37	44	44	44	19
18	47	30	37	53	56	54	33	36	34	30	36	33	38	39	38	18
17	38	23	32	47	50	48	31	33	32	25	31	28	33	33	33	17
16	31	17	25	41	42	41	29	31	30	20	23	22	27	28	28	16
15	25	13	20	34	36	35	27	28	27	16	16	16	22	23	22	15
14	21	11	17	29	32	30	24	24	24	11	11	11	17	18	17	14
13	18	8	14	25	29	27	21	21	21	6	7	7	13	13	13	13
12	14	6	11	22	26	24	17	18	17	4	4	4	10	8	9	12
11	11	4	8	18	23	20	15	15	15	3	3	3	7	5	6	11
10	9	3	4	15	19	17	12	12	12	2	2	2	4	3	4	10
9	6	2	4	12	15	14	10	10	10	2	2	2	3	2	2	9
8	4	1	1	10	12	11	7	7	7	1	1	1	2	1	1	8
7	2	1	2	7	10	9	4	6	5	1	1	1	1	1	1	7
6	1	1	1	5	7	6	3	3	3	1	1	1	1	1	1	6
5	1	1	1	4	5	5	2	1	2	1	1	1	1	1	1	5
4	1	1	1	3	3	3	1	1	1	1	1	1	1	1	1	4
3	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	3
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	18.0	20.4	19.1	17.8	17.1	17.5	20.3	19.7	20.0	21.7	21.0	21.4	19.6	19.7	19.6	Mean
S.D.	5.2	4.9	5.2	7.1	7.1	7.1	7.2	6.9	7.1	6.0	5.8	6.0	5.5	5.3	5.4	S.D.
Sample size	M: 557, W: 431, T: 988															

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	27	52	38	14	18	16	35	48	41	14	23	18	19	37	27	A (4)
B (3)	46	37	42	25	33	29	40	31	36	35	36	36	55	51	53	B (3)
C (2)	21	9	16	34	30	32	21	13	17	30	24	27	24	12	19	C (2)
D (1)	4	1	3	16	9	13	1	2	2	6	3	5	2	0	1	D (1)
F (0)	0	0	0	2	0	1	0	0	0	1	0	1	0	0	0	F (0)
Not Taken	1	1	1	9	10	9	3	5	4	14	14	14				Not Taken
Mean	2.97	3.42	3.17	2.39	2.66	2.50	3.11	3.33	3.20	2.65	2.91	2.77	2.78	3.09	2.92	Mean
S.D.	.83	.68	.80	1.00	.92	.98	.80	.80	.81	.87	.85	.87	.64	.57	.63	S.D.
Sample size	M: 542, W: 425, T: 967															

^aRounded to the nearest whole letter grade

TABLE 2.65

ACT Score and High School Grade Norms for Students Planning to Major in Computer and Information Science Fields

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	98	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	96	99	98	99	99	99	97	99	98	99	99	99	33
32	99	99	99	95	99	97	99	99	99	94	99	96	99	99	99	32
31	99	99	99	93	97	95	98	99	99	89	97	92	99	99	99	31
30	99	99	99	92	95	92	97	99	97	84	96	89	97	99	98	30
29	99	99	99	89	94	89	94	98	96	80	93	85	95	98	97	29
28	99	98	99	85	91	85	91	96	93	75	88	80	93	96	94	28
27	98	97	98	82	87	79	87	93	90	70	84	76	88	94	91	27
26	96	95	97	79	84	73	82	90	85	66	80	72	83	91	86	26
25	97	92	95	74	74	67	77	87	81	62	77	68	78	86	81	25
24	94	89	92	66	70	62	71	83	76	58	74	65	73	80	75	24
23	90	84	86	61	66	57	65	78	70	53	71	60	66	75	70	23
22	83	78	81	56	64	54	60	72	65	47	67	55	59	71	64	22
21	76	73	74	45	61	51	55	67	60	42	63	50	53	66	58	21
20	69	66	68	42	58	48	50	63	55	37	59	46	47	61	53	20
19	63	59	61	39	55	45	46	61	52	33	54	41	42	56	48	19
18	56	51	54	37	51	42	43	58	49	29	49	37	37	50	43	18
17	48	42	46	33	46	38	40	56	46	25	43	33	33	46	38	17
16	40	35	38	28	41	33	37	54	44	21	36	27	30	44	35	16
15	33	31	32	24	36	29	35	52	42	16	30	22	26	39	31	15
14	28	28	28	20	31	25	32	48	38	12	24	17	21	34	26	14
13	24	24	24	18	28	22	28	44	35	8	19	12	16	29	21	13
12	21	19	20	15	25	19	24	40	31	5	14	9	12	23	16	12
11	17	14	16	12	22	16	21	35	27	4	10	6	9	17	12	11
10	13	11	12	9	19	13	18	29	22	2	7	4	6	12	9	10
9	9	9	9	8	16	11	14	25	19	2	5	3	4	8	6	9
8	6	6	6	7	13	9	11	20	15	1	3	2	3	4	4	8
7	4	4	4	6	10	7	8	14	10	1	2	1	2	3	2	7
6	3	3	3	4	7	5	5	10	7	1	1	1	1	2	1	6
5	1	2	1	3	5	4	3	7	5	1	1	1	1	1	1	5
4	1	1	1	2	4	3	2	5	4	1	1	1	1	1	1	4
3	1	1	1	1	3	2	1	3	2	1	1	1	1	1	1	3
2	1	1	1	1	2	1	1	2	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	16.8	17.4	17.1	21.0	18.1	19.8	18.5	15.6	17.4	22.3	19.0	21.0	19.8	17.7	18.9	Mean
S.D.	5.3	5.6	5.4	7.7	8.0	8.0	7.5	7.7	7.4	6.6	6.6	6.8	6.0	6.2	6.2	S.D.
Sample size	M 482, W 328, T 810															

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	20	32	25	24	35	28	31	34	32	24	22	23	24	34	28	A (4)
B (3)	47	46	46	37	32	35	39	41	40	34	40	37	53	52	52	B (3)
C (2)	27	19	24	27	20	24	23	18	21	23	18	21	22	15	19	C (2)
D (1)	3	2	2	7	5	6	3	2	3	5	3	4	1	0	0	D (1)
F (0)	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0	F (0)
Not Taken	2	0	1	5	8	6	4	5	5	14	17	15				Not Taken
Mean	2.83	3.09	2.94	2.80	3.06	2.91	3.01	3.13	3.06	2.90	2.99	2.93	2.87	3.07	2.95	Mean
S.D.	.82	.77	.81	.92	.91	.92	.85	.78	.83	.87	.79	.84	.64	.62	.64	S.D.
Sample size	M 466, W 322, T 788															

^aRounded to the nearest whole letter grade

TABLE 2.66

ACT Score and High School Grade Norms for Students Planning to Major in Education Fields

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	33
32	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	32
31	99	99	99	98	99	99	99	99	99	99	99	99	99	99	99	31
30	99	99	99	97	99	99	99	99	99	99	99	99	99	99	99	30
29	99	99	99	96	97	97	97	97	98	98	99	94	93	93	99	29
28	99	98	99	93	96	95	95	97	96	87	92	91	98	98	98	28
27	99	97	98	90	93	92	93	95	94	84	89	88	96	96	96	27
26	99	96	96	87	89	88	89	91	91	81	86	84	93	94	94	26
25	97	94	95	83	85	84	84	87	86	77	82	81	90	90	90	25
24	95	90	91	79	82	81	79	82	82	73	79	77	86	86	86	24
23	93	85	87	77	79	78	74	77	76	69	74	73	82	82	82	23
22	89	78	81	74	76	75	69	72	71	64	69	68	77	77	77	22
21	84	69	73	71	73	72	65	67	66	59	64	63	73	71	72	21
20	79	61	65	67	69	69	61	62	62	55	59	58	68	66	66	20
19	73	53	58	63	65	65	58	59	58	50	53	52	62	60	60	19
18	65	45	50	60	61	61	55	56	56	44	47	47	56	53	54	18
17	57	36	42	55	55	55	53	50	50	38	41	40	51	47	48	17
16	51	30	35	48	49	49	51	50	50	31	33	33	45	41	42	16
15	45	25	30	42	43	43	48	47	47	23	25	25	39	34	35	15
14	40	21	26	37	38	38	44	43	43	17	18	18	32	28	29	14
13	35	18	22	32	33	33	39	39	39	12	12	12	27	23	24	13
12	29	14	18	29	30	29	35	34	34	8	7	7	21	18	19	12
11	24	11	15	25	26	26	31	29	30	6	5	5	16	13	14	11
10	19	9	11	20	22	22	27	24	25	4	3	3	11	9	9	10
9	14	6	8	16	18	18	22	19	20	3	2	2	8	5	6	9
8	10	4	6	13	15	15	18	15	15	2	2	2	5	3	3	8
7	7	3	4	11	12	12	14	11	11	1	1	1	3	2	2	7
6	4	2	2	8	9	9	10	7	8	1	1	1	1	1	1	6
5	2	1	1	6	7	7	7	5	5	1	1	1	1	1	1	5
4	1	1	1	4	5	5	5	3	3	1	1	1	1	1	1	4
3	1	1	1	3	3	3	3	2	2	1	1	1	1	1	1	3
2	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	15.4	18.1	17.4	16.7	16.2	16.3	16.2	16.3	16.3	19.8	19.2	19.4	17.1	17.6	17.5	Mean
S.D.	5.4	5.2	5.4	7.4	7.3	7.4	7.8	7.2	7.4	6.1	5.7	5.8	5.8	5.4	5.5	S.D.
Sample size	M: 1,342; W: 3,887; T: 5,229															

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	18	39	33	12	20	18	25	38	35	12	23	20	14	30	26	A (4)
B (3)	40	44	43	28	33	31	39	38	38	32	37	35	49	52	52	B (3)
C (2)	36	15	20	37	30	32	27	18	20	34	23	26	35	17	22	C (2)
D (1)	4	2	2	12	8	9	5	2	3	7	4	5	2	1	1	D (1)
F (0)	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	F (0)
Not Taken	2	0	1	9	9	9	4	4	4	16	14	14				Not Taken
Mean	2.71	3.20	3.08	2.40	2.70	2.62	2.86	3.16	3.08	2.57	2.90	2.82	2.63	2.99	2.90	Mean
S.D.	.82	.76	.80	.93	.92	.93	.87	.82	.84	.85	.85	.86	.66	.63	.66	S.D.
Sample size	M: 1,297; W: 3,788; T: 5,085															

^aRounded to the nearest whole letter grade

TABLE 2.67

ACT Score and High School Grade Norms for Students Planning to Major in Engineering Fields

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	98	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	98	96	98	99	99	99	99	99	99	99	99	99	34
33	99	99	99	97	94	96	99	99	99	99	96	97	96	99	99	33
32	99	99	99	95	92	95	99	96	99	90	97	90	99	98	99	32
31	99	99	99	92	88	92	97	94	97	84	85	84	99	96	99	31
30	99	97	99	88	84	88	95	93	95	76	78	76	97	91	97	30
29	99	94	99	82	80	81	93	90	93	69	73	69	94	86	93	29
28	99	90	98	74	72	74	84	85	89	62	67	63	89	79	88	28
27	98	87	97	67	63	67	84	79	84	57	61	57	83	74	82	27
26	96	84	96	59	55	59	77	73	77	52	56	52	76	69	76	26
25	94	80	93	53	49	52	74	66	70	46	50	47	69	64	69	25
24	90	75	90	47	44	47	63	59	63	42	44	42	61	58	61	24
23	86	68	84	42	41	42	56	52	56	38	37	38	54	51	54	23
22	79	57	78	38	38	38	50	46	50	34	30	33	48	43	47	22
21	71	46	70	35	34	35	45	40	45	30	27	30	43	36	42	21
20	63	38	61	32	32	32	41	35	40	27	26	27	37	31	37	20
19	55	33	54	29	30	29	37	32	37	23	24	23	33	27	32	19
18	47	26	46	26	26	26	34	30	34	18	21	19	28	23	28	18
17	39	19	38	22	22	22	32	28	32	15	16	15	24	19	23	17
16	33	15	32	18	18	18	30	25	30	12	11	12	19	15	19	16
15	28	13	27	14	16	15	28	23	28	9	8	9	15	13	15	15
14	23	12	22	12	15	12	25	21	24	6	6	6	12	11	12	14
13	19	12	18	10	13	10	21	20	21	4	5	4	9	9	9	13
12	15	12	15	8	11	8	18	18	18	3	4	3	6	7	6	12
11	11	10	11	6	10	7	15	15	15	2	4	2	4	6	4	11
10	8	9	8	6	8	6	12	12	12	1	3	1	3	5	3	10
9	6	6	6	5	7	5	10	9	10	1	1	1	2	4	2	9
8	4	6	4	4	4	4	7	8	7	1	1	1	1	4	1	8
7	3	5	3	3	5	3	5	6	5	1	1	1	1	3	1	7
6	1	3	2	2	4	2	4	5	4	1	1	1	1	2	1	6
5	1	1	1	2	4	2	4	4	2	1	1	1	1	1	1	5
4	1	1	1	1	3	1	1	3	1	1	1	1	1	1	1	4
3	1	1	1	1	2	1	1	2	1	1	1	1	1	1	1	3
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	17.8	20.5	18.0	22.9	22.9	22.9	20.1	20.8	20.1	24.5	24.2	24.5	21.4	22.3	21.5	Mean
S.D.	5.1	6.1	5.2	7.0	7.9	7.1	7.3	7.6	7.3	6.3	6.3	6.3	5.6	6.3	5.6	S.D.
Sample size	M: 2,339; W: 151; T: 2,490															

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	26	56	28	31	46	32	35	59	36	30	44	31	32	57	33	A (4)
B (3)	43	34	43	34	30	34	37	29	36	35	39	35	47	35	47	B (3)
C (2)	25	9	24	24	16	24	20	6	19	20	8	19	20	7	19	C (2)
D (1)	4	1	4	7	5	7	3	2	3	4	3	4	1	1	1	D (1)
F (0)	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	F (0)
Not Taken	1	0	1	4	2	3	6	3	6	11	5	11				Not Taken
Mean	2.93	3.45	2.96	2.90	3.19	2.91	3.09	3.48	3.12	3.01	3.31	3.03	2.97	3.34	2.99	Mean
S.D.	.83	.71	.84	.96	.91	.96	.84	.77	.84	.88	.77	.88	.69	.64	.70	S.D.
Sample size	M: 2,279; W: 149; T: 2,428															

^aRounded to the nearest whole letter grade

TABLE 2.68

ACT Score and High School Grade Norms for Students Planning to Major in Fine and Applied Arts Fields

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	33
32	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	32
31	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	31
30	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	30
29	99	98	99	99	99	99	99	99	99	99	99	99	99	99	99	29
28	99	97	98	99	99	99	99	99	99	99	99	99	99	99	99	28
27	98	95	96	99	99	99	99	99	99	99	99	99	99	99	99	27
26	96	93	94	99	99	99	99	99	99	99	99	99	99	99	99	26
25	93	89	91	99	99	99	99	99	99	99	99	99	99	99	99	25
24	90	84	86	99	99	99	99	99	99	99	99	99	99	99	99	24
23	86	77	81	99	99	99	99	99	99	99	99	99	99	99	99	23
22	80	69	73	99	99	99	99	99	99	99	99	99	99	99	99	22
21	74	59	65	99	99	99	99	99	99	99	99	99	99	99	99	21
20	67	49	56	99	99	99	99	99	99	99	99	99	99	99	99	20
19	59	42	48	99	99	99	99	99	99	99	99	99	99	99	99	19
18	50	34	40	99	99	99	99	99	99	99	99	99	99	99	99	18
17	41	27	33	99	99	99	99	99	99	99	99	99	99	99	99	17
16	34	23	27	99	99	99	99	99	99	99	99	99	99	99	99	16
15	30	18	22	99	99	99	99	99	99	99	99	99	99	99	99	15
14	26	15	19	99	99	99	99	99	99	99	99	99	99	99	99	14
13	22	12	16	99	99	99	99	99	99	99	99	99	99	99	99	13
12	18	9	13	99	99	99	99	99	99	99	99	99	99	99	99	12
11	14	7	9	99	99	99	99	99	99	99	99	99	99	99	99	11
10	10	5	7	99	99	99	99	99	99	99	99	99	99	99	99	10
9	7	4	5	99	99	99	99	99	99	99	99	99	99	99	99	9
8	5	2	3	99	99	99	99	99	99	99	99	99	99	99	99	8
7	3	2	2	99	99	99	99	99	99	99	99	99	99	99	99	7
6	1	1	1	99	99	99	99	99	99	99	99	99	99	99	99	6
5	1	1	1	99	99	99	99	99	99	99	99	99	99	99	99	5
4	1	1	1	99	99	99	99	99	99	99	99	99	99	99	99	4
3	1	1	1	99	99	99	99	99	99	99	99	99	99	99	99	3
2	1	1	1	99	99	99	99	99	99	99	99	99	99	99	99	2
1	1	1	1	99	99	99	99	99	99	99	99	99	99	99	99	1
Mean	17.4	19.4	18.7	17.7	16.6	17.0	18.4	17.6	17.9	22.1	20.4	21.1	19.0	18.6	18.8	Mean
S.D.	5.3	5.0	5.2	7.4	7.0	7.2	7.4	7.2	7.2	6.4	5.8	6.0	5.7	5.3	5.5	S.D.
Sample size	M: 880; W: 1,456			T: 2,336												

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	24	41	35	14	16	15	25	37	32	15	24	20	18	29	25	A (4)
B (3)	41	41	41	24	32	29	39	37	38	34	33	34	49	50	50	B (3)
C (2)	29	14	20	35	21	31	26	20	22	28	23	25	31	19	24	C (2)
D (1)	5	2	3	14	11	12	4	2	3	7	3	5	2	1	1	D (1)
F (0)	0	0	0	2	1	1	0	0	0	0	0	0	0	0	0	F (0)
Not Taken	1	1	1	11	13	12	6	5	5	16	16	16				Not Taken
Mean	2.84	3.23	3.09	2.39	2.60	2.52	2.90	3.13	3.04	2.66	2.93	2.83	2.69	2.96	2.86	Mean
S.D.	.85	.77	.83	.99	.95	.97	.86	.82	.84	.87	.85	.87	.67	.65	.67	S.D.
Sample size	M 850; W 1,412			T 2,268												

^aRounded to the nearest whole letter grade

TABLE 2.69

ACT Score and High School Grade Norms for Students Planning to Major in Foreign Languages

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	98	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	96	99	98	99	99	99	99	97	99	99	99	99	33
32	99	99	99	96	97	97	99	99	99	96	96	96	99	99	99	32
31	99	99	99	96	96	96	97	97	97	92	91	91	99	98	98	31
30	99	97	98	93	95	94	94	94	94	84	87	87	98	97	97	30
29	99	96	96	90	93	92	92	91	91	78	83	82	96	94	95	29
28	99	94	95	88	89	89	85	87	86	73	78	77	90	90	90	28
27	96	91	92	86	84	84	77	80	80	70	72	72	84	85	85	27
26	93	86	87	79	77	77	73	74	74	65	66	66	79	81	81	26
25	89	79	81	71	71	71	68	70	69	58	59	59	74	74	74	25
24	84	70	73	69	67	67	64	62	63	52	53	53	70	66	67	24
23	76	62	65	64	64	64	54	55	55	49	48	48	66	60	61	23
22	65	54	56	60	60	60	39	50	48	45	43	43	60	52	54	22
21	60	44	47	58	57	57	32	43	41	39	38	39	49	45	46	21
20	57	35	40	55	53	54	28	39	37	35	35	35	40	39	39	20
19	50	29	33	49	47	48	27	36	34	30	32	32	34	33	33	19
18	41	23	27	44	40	41	27	33	32	25	28	28	29	28	28	18
17	36	19	22	39	35	35	26	30	29	21	24	23	23	23	23	17
16	29	15	18	35	30	31	24	28	27	19	17	18	20	18	19	16
15	22	11	13	29	25	26	22	24	23	16	13	14	17	15	15	15
14	18	9	11	21	20	20	20	20	20	16	9	11	13	11	12	14
13	15	7	9	17	17	17	17	18	18	13	6	7	13	8	9	13
12	13	5	7	13	15	14	15	15	15	9	3	4	13	6	7	12
11	11	4	5	10	13	12	13	12	12	6	2	3	11	4	5	11
10	8	3	4	9	11	10	10	10	10	3	2	2	6	4	4	10
9	7	2	3	9	8	8	9	8	8	2	2	2	3	3	3	9
8	6	2	3	9	7	7	5	5	5	1	1	1	1	1	1	8
7	5	2	3	8	5	6	2	4	4	1	1	1	1	1	1	7
6	4	2	2	6	4	4	2	3	3	1	1	1	1	1	1	6
5	2	1	1	4	3	3	2	2	2	1	1	1	1	1	1	5
4	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	4
3	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	3
2	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	186	211	206	194	197	196	212	206	207	226	226	226	206	211	210	Mean
S.D.	56	51	53	73	71	72	70	70	70	67	61	63	57	55	55	S.D.
Sample size	M: 56; W: 223; T: 279															

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	29	53	48	15	23	22	43	45	44	13	27	24	21	38	35	A (4)
B (3)	42	35	36	30	39	38	30	39	38	28	45	41	56	51	52	B (3)
C (2)	24	11	14	33	24	26	19	11	13	28	17	19	23	11	13	C (2)
D (1)	0	0	0	11	6	7	2	1	1	9	1	3	0	0	0	D (1)
F (0)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	F (0)
Not Taken	5	0	1	11	7	8	7	3	4	22	11	13				Not Taken
Mean	3.06	3.42	3.35	2.54	2.85	2.79	3.22	3.33	3.31	2.57	3.08	2.99	2.85	3.17	3.11	Mean
S.D.	.74	.69	.71	.91	.89	.90	.83	.72	.74	.90	.73	.79	.61	.54	.57	S.D.
Sample size	M: 55; W: 222; T: 277															

^aRounded to the nearest whole letter grade

TABLE 2.70

ACT Score and High School Grade Norms for Students Planning to Major in Health Professions

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	98	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	97	99	99	99	99	99	97	99	99	99	99	99	33
32	99	99	99	96	99	98	99	99	99	93	98	97	99	99	99	32
31	99	99	99	95	98	97	97	99	99	87	96	94	99	99	99	31
30	99	99	99	92	97	96	96	99	98	80	93	89	98	99	99	30
29	99	99	99	88	95	93	93	98	96	72	89	84	95	98	97	29
28	99	99	99	82	93	90	89	96	94	66	85	80	91	96	95	28
27	98	97	98	75	89	85	84	93	90	61	81	75	86	94	92	27
26	97	95	96	67	85	80	76	89	85	56	77	71	79	90	87	26
25	94	92	93	60	80	74	68	84	79	50	72	66	71	86	82	25
24	91	88	89	54	75	69	61	78	73	45	68	61	64	81	76	24
23	85	82	83	50	72	66	54	72	67	40	62	56	57	75	70	23
22	78	74	75	46	69	62	47	66	61	34	57	50	51	69	64	22
21	70	65	66	43	65	59	42	61	56	30	52	46	44	63	57	21
20	61	56	58	39	62	55	38	56	51	26	47	41	38	56	51	20
19	53	49	50	35	58	51	35	53	48	21	41	36	32	51	45	19
18	44	41	41	31	53	47	32	50	45	18	36	31	27	45	40	18
17	35	33	34	27	48	42	30	47	42	15	30	26	22	39	34	17
16	29	28	28	23	42	37	28	44	40	11	25	21	18	34	29	16
15	24	23	23	18	36	31	26	41	37	8	18	16	15	28	25	15
14	20	19	19	15	31	27	23	37	33	6	13	11	12	23	20	14
13	17	16	16	13	28	24	20	33	29	4	9	7	9	18	16	13
12	13	13	13	11	24	21	17	29	26	2	6	5	6	14	12	12
11	10	9	9	10	21	18	14	25	22	2	4	3	5	10	8	11
10	7	7	7	9	18	15	11	21	18	1	3	2	3	7	6	10
9	4	5	5	7	15	13	8	16	14	1	2	2	2	4	3	9
8	3	3	3	6	12	10	6	12	10	1	1	1	1	2	2	8
7	1	1	1	5	10	8	4	9	8	1	1	1	1	1	1	7
6	1	1	1	3	7	6	3	6	5	1	1	1	1	1	1	6
5	1	1	1	2	5	4	2	4	3	1	1	1	1	1	1	5
4	1	1	1	2	4	3	1	2	2	1	1	1	1	1	1	4
3	1	1	1	1	3	2	1	1	1	1	1	1	1	1	1	3
2	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	18.2	18.5	18.4	21.5	17.6	18.6	20.4	17.3	18.2	24.2	20.8	21.8	21.2	18.7	19.4	Mean
S.D.	4.9	5.1	5.0	7.3	7.5	7.6	7.1	7.3	7.4	6.0	6.1	6.2	5.4	5.6	5.7	S.D.
Sample size	M: 2,024; W: 5,259; T: 7,283															

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	32	42	39	26	23	24	44	42	42	32	28	29	35	35	35	A (4)
B (3)	43	43	43	32	33	33	33	36	35	36	38	38	46	50	48	B (3)
C (2)	21	13	15	28	28	28	16	15	15	21	22	22	18	15	16	C (2)
D (1)	2	1	1	7	7	7	2	2	2	4	2	3	1	0	1	D (1)
F (0)	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	F (0)
Not Taken	1	1	1	6	9	9	5	5	5	7	9	9				Not Taken
Mean	3.05	3.27	3.21	2.80	2.77	2.78	3.26	3.23	3.24	3.03	3.01	3.01	3.03	3.07	3.06	Mean
S.D.	.81	.73	.76	.95	.93	.94	.81	.80	.80	.86	.81	.83	.68	.63	.64	S.D.
Sample size	M: 1,988; W: 5,089; T: 7,077															

^aRounded to the nearest whole letter grade

TABLE 2.71

ACT Score and High School Grade Norms for Students Planning to Major in Home Economics

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	33
32	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	32
31	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	31
30	99	99	99	99	99	98	99	99	99	99	99	99	99	99	99	30
29	99	99	99	99	97	97	99	98	98	99	94	94	99	99	99	29
28	99	99	99	94	95	95	99	97	97	99	91	91	99	98	98	28
27	99	98	98	88	92	92	94	95	95	99	89	88	99	96	96	27
26	99	97	97	81	89	89	81	92	92	50	85	85	94	94	94	26
25	94	95	95	75	85	85	69	88	88	50	81	81	88	91	91	25
24	88	92	91	75	82	82	63	84	84	50	78	77	81	88	87	24
23	88	86	86	75	79	79	56	79	79	50	73	72	69	84	83	23
22	88	78	78	75	75	75	50	75	75	50	66	66	63	78	78	22
21	88	69	69	75	72	72	50	71	71	50	61	61	56	72	71	21
20	75	61	61	75	69	69	44	65	65	44	55	55	50	65	65	20
19	63	54	55	75	65	65	38	51	61	31	49	49	50	60	60	19
18	50	47	47	69	60	60	38	58	58	25	44	44	44	54	53	18
17	38	39	39	56	54	54	31	55	55	25	39	39	31	46	46	17
16	31	32	32	44	47	47	25	52	52	19	32	32	19	40	39	16
15	25	25	25	38	41	41	25	49	49	13	25	24	13	34	34	15
14	25	21	21	38	36	36	25	44	44	13	16	16	13	29	28	14
13	25	18	18	31	33	33	25	40	40	13	10	10	13	22	22	13
12	19	14	14	19	30	30	25	35	35	13	6	6	13	16	16	12
11	13	10	10	13	26	26	19	30	30	13	4	4	13	12	12	11
10	13	7	7	13	22	22	13	24	24	13	3	3	13	7	7	10
9	6	4	4	13	18	17	13	18	18	13	2	2	13	4	4	9
8	1	3	3	13	15	15	13	13	13	6	1	1	13	2	2	8
7	1	1	1	13	12	12	13	9	9	1	1	1	6	1	1	7
6	1	1	1	13	9	9	6	6	6	1	1	1	1	1	1	6
5	1	1	1	13	7	7	1	4	4	1	1	1	1	1	1	5
4	1	1	1	6	5	5	1	3	3	1	1	1	1	1	1	4
3	1	1	1	1	3	3	1	2	2	1	1	1	1	1	1	3
2	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	17.2	18.0	18.0	16.7	16.4	16.4	19.4	16.0	16.1	22.0	19.5	19.5	19.0	17.6	17.6	Mean
S.D.	4.7	4.9	4.9	7.2	7.3	7.3	7.1	7.0	7.0	7.1	5.6	5.6	5.6	5.2	5.2	S.D.
Sample size	M: 8,	W: 650,	T: 658													

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)		39	39	0	17	17	29	39	39	0	23	23	0	30	29	A (4)
B (3)			46	43	35	36	29	37	37	71	38	38	83	54	55	B (3)
C (2)				43	30	30	43	19	19	14	24	24	17	16	16	C (2)
D (1)				14	8	8	0	1	1	0	2	2	0	0	0	D (1)
F (0)				0	0	0	0	0	0	0	0	0	0	0	0	F (0)
Not Taken	14	0	0	0	9	9	0	5	5	14	13	13				Not Taken
Mean	3.00	3.23	3.22	2.29	2.68	2.67	2.86	3.20	3.20	2.83	2.94	2.94	2.75	3.01	3.01	Mean
S.D.	.58	.73	.73	.70	.89	.89	.83	.77	.77	.37	.80	.79	.38	.61	.61	S.D.
Sample size	M: 7,	W: 637,	T: 644													

^aRounded to the nearest whole letter grade

TABLE 2.72

ACT Score and High School Grade Norms for Students Planning to Major in Letters

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
38	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	33
32	99	98	99	98	99	98	98	99	98	98	98	98	98	98	98	32
31	99	98	99	97	99	98	95	97	96	89	94	91	99	99	99	31
30	99	97	99	96	97	96	92	94	93	82	89	86	97	99	98	30
29	99	95	99	93	94	93	89	91	90	75	83	79	94	96	95	29
28	98	92	99	91	91	91	85	87	83	70	78	74	90	92	91	28
27	97	88	99	88	87	87	81	81	81	66	73	70	88	86	87	27
26	95	82	99	83	83	83	75	74	75	60	67	64	84	81	83	26
25	92	74	83	77	79	78	67	66	67	54	61	58	78	74	77	25
24	88	67	77	71	74	72	58	59	58	49	56	52	71	66	68	24
23	81	58	69	65	69	67	49	53	51	44	50	47	62	59	60	23
22	75	50	63	61	65	63	43	47	45	37	44	42	54	51	52	22
21	69	43	56	58	62	60	39	41	40	33	38	37	47	44	45	21
20	61	34	47	54	57	55	36	36	36	28	31	29	38	35	36	20
19	53	25	39	49	50	50	34	34	34	23	26	25	32	30	31	19
18	45	19	32	44	46	45	31	32	32	18	21	19	27	25	26	18
17	37	14	25	40	41	40	28	30	29	13	15	14	23	21	22	17
16	28	11	20	34	35	34	27	28	28	10	12	11	19	16	17	16
15	22	8	15	28	29	29	25	26	25	7	8	8	15	13	14	15
14	19	6	12	23	25	24	23	23	23	5	5	5	11	10	10	14
13	18	5	11	19	21	20	21	21	21	3	2	3	8	6	7	13
12	15	4	10	15	19	17	18	17	18	3	2	2	6	4	5	12
11	13	4	8	11	16	14	15	14	14	3	1	2	3	2	3	11
10	10	2	6	9	14	11	13	11	12	2	1	1	3	1	2	10
9	7	2	4	7	12	9	10	8	9	1	1	1	2	1	1	9
8	4	1	3	6	10	8	7	6	6	1	1	1	1	1	1	8
7	2	1	1	4	7	6	4	4	4	1	1	1	1	1	1	7
6	1	1	1	3	6	5	3	2	2	1	1	1	1	1	1	6
5	1	1	1	3	4	3	2	1	1	1	1	1	1	1	1	5
4	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	4
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	18.2	21.8	20.0	19.2	18.6	18.9	20.8	20.7	20.7	23.4	22.6	23.0	20.6	21.0	20.8	Mean
S.D.	5.2	4.8	5.3	6.9	7.1	7.0	7.4	7.2	7.3	6.4	5.8	6.1	5.6	5.3	5.5	S.D.
Sample size	M: 315			W: 317			T: 632									

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	29	63	46	17	18	17	33	43	38	20	29	25	24	38	31	A (4)
B (3)	43	27	35	31	32	31	39	36	38	33	36	35	47	48	47	B (3)
C (2)	22	8	15	33	32	33	21	18	19	27	19	23	28	14	21	C (2)
D (1)	5	1	3	10	7	9	4	1	3	6	5	5	1	0	1	D (1)
F (0)	1	0	0	1	3	2	0	0	0	2	0	1	0	0	0	F (0)
Not Taken	1	0	1	8	9	9	3	2	2	13	10	11				Not Taken
Mean	2.95	3.53	3.24	2.58	2.60	2.59	3.05	3.23	3.14	2.73	2.99	2.86	2.82	3.10	2.96	Mean
S.D.	.87	.70	.84	.94	.98	.96	.85	.79	.82	.96	.88	.93	.69	.62	.67	S.D.
Sample size	M: 305			W: 310			T: 615									

^aRounded to the nearest whole letter grade

TABLE 2.73

ACT Score and High School Grade Norms for Students Planning to Major in Mathematical Fields

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	96	99	97	99	99	99	99	99	99	99	99	99	35
34	99	99	99	91	97	94	99	99	99	96	99	98	99	99	99	34
33	99	99	99	85	95	89	99	99	99	91	98	94	99	99	99	33
32	99	99	99	79	91	85	98	98	98	83	93	87	97	99	98	32
31	99	99	99	73	87	79	95	96	96	74	86	80	94	97	95	31
30	98	98	98	65	79	71	92	94	93	67	81	73	91	92	91	30
29	97	96	97	55	67	61	88	91	89	61	74	67	84	88	86	29
28	97	92	95	45	55	50	82	86	84	54	67	60	75	83	79	28
27	94	86	91	36	44	40	74	79	76	47	60	53	68	75	71	27
26	91	82	87	26	34	30	65	72	68	41	53	47	60	65	62	26
25	86	76	81	19	26	22	55	67	61	35	47	40	49	55	52	25
24	80	69	75	14	20	17	49	60	54	29	43	35	38	47	42	24
23	71	61	66	10	16	13	43	50	46	24	40	32	30	38	34	23
22	61	50	56	8	14	11	35	43	39	21	35	28	25	30	28	22
21	53	39	47	8	12	10	28	39	33	19	32	25	22	26	24	21
20	45	32	39	6	11	8	23	35	29	15	29	21	18	23	20	20
19	37	27	32	5	9	7	22	32	27	12	24	18	14	19	17	19
18	31	21	26	5	8	6	20	30	24	10	19	14	11	14	12	18
17	25	15	20	4	6	5	17	28	22	7	15	11	7	11	9	17
16	19	11	15	3	5	4	15	25	20	5	10	8	5	9	7	16
15	13	8	11	2	5	3	14	21	17	3	8	5	4	8	6	15
14	9	6	8	1	4	2	12	17	14	2	5	3	3	6	4	14
13	7	5	6	1	3	2	11	14	12	1	3	2	2	4	3	13
12	5	4	5	1	3	2	9	13	11	1	1	1	1	3	2	12
11	4	3	4	1	2	1	7	12	9	1	1	1	1	2	1	11
10	3	3	3	1	2	1	5	10	7	1	1	1	1	2	1	10
9	2	2	2	1	1	1	5	7	6	1	1	1	1	1	1	9
8	2	1	2	1	1	1	3	5	4	1	1	1	1	1	1	8
7	1	1	1	1	1	1	2	3	2	1	1	1	1	1	1	7
6	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	6
5	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	5
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	20.2	21.6	20.8	28.1	26.5	27.4	22.8	21.2	22.0	26.5	24.3	25.5	24.5	23.5	24.1	Mean
S.D.	4.8	4.8	4.9	4.7	5.3	5.1	6.3	6.9	6.6	5.6	5.9	5.8	4.7	5.0	4.9	S.D.
Sample size	M: 233, W: 203, T: 436															

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	34	58	45	61	70	65	47	57	52	38	42	43	49	66	57	A (4)
B (3)	47	34	41	28	24	27	36	28	32	35	35	35	42	31	37	B (3)
C (2)	16	9	12	8	4	6	12	10	11	14	9	12	8	3	6	C (2)
D (1)	2	1	1	2	0	1	1	1	1	2	1	1	0	1	0	D (1)
F (0)	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	F (0)
Not Taken	1	0	0	0	0	0	4	3	4	10	2	9				Not Taken
Mean	3.15	3.48	3.31	3.49	3.65	3.57	3.35	3.45	3.40	3.19	3.41	3.29	3.30	3.49	3.39	Mean
S.D.	.74	.68	.73	.73	.59	.68	.73	.78	.75	.84	.70	.79	.57	.51	.56	S.D.
Sample size	M: 230, W: 200, T: 430															

^aRounded to the nearest whole letter grade

TABLE 2.74

ACT Score and High School Grade Norms for Students Planning to Major in Physical Science Fields

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	98	99	98	99	99	99	99	99	99	99	99	99	35
34	99	99	99	96	98	97	99	99	99	96	98	96	99	99	99	34
33	99	99	99	93	98	94	99	99	99	90	95	91	99	99	99	33
32	99	99	99	89	97	91	97	99	97	80	89	82	98	99	99	32
31	99	99	99	85	94	88	93	96	94	69	80	71	96	98	96	31
30	99	97	98	80	91	83	89	94	90	59	70	62	93	94	23	30
29	98	94	97	73	85	76	85	90	86	50	63	53	87	89	88	29
28	97	93	96	65	78	63	79	85	81	43	56	46	78	82	79	28
27	96	91	95	57	69	60	71	78	72	37	50	40	68	75	70	27
26	94	87	92	48	61	51	62	71	64	32	45	35	58	67	60	26
25	90	80	88	41	52	43	53	65	56	27	39	30	50	57	52	25
24	84	70	81	35	43	37	46	56	48	23	34	26	44	49	45	24
23	76	61	72	31	38	33	38	46	40	19	31	22	36	41	37	23
22	66	51	62	28	35	30	32	38	33	16	27	19	31	34	31	22
21	56	40	52	24	32	26	27	31	28	14	23	16	25	29	26	21
20	47	31	43	22	30	24	24	27	24	12	19	14	21	24	21	20
19	39	24	35	19	27	21	21	24	22	10	15	11	17	20	18	19
18	30	20	28	17	24	19	19	22	20	8	11	9	13	18	15	18
17	23	16	21	14	19	15	17	19	16	6	9	7	11	16	12	17
16	19	13	17	11	15	12	16	17	16	4	7	4	6	13	10	16
15	15	10	14	9	13	10	14	16	14	2	5	3	5	10	7	15
14	12	7	11	7	11	8	11	16	12	1	3	2	4	7	5	14
13	9	6	9	6	8	7	9	15	10	1	2	1	3	5	3	13
12	7	5	7	5	7	6	7	13	8	1	1	1	2	4	2	12
11	5	3	5	4	6	5	6	12	7	1	1	1	1	3	1	11
10	3	3	3	4	6	4	4	10	6	1	1	1	1	2	1	10
9	1	2	2	3	6	4	3	8	4	1	1	1	1	1	1	9
8	1	2	1	2	5	3	2	7	3	1	1	1	1	1	1	8
7	1	1	1	2	4	2	1	5	2	1	1	1	1	1	1	7
6	1	1	1	1	3	2	1	3	2	1	1	1	1	1	1	6
5	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	5
4	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	4
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	19.8	21.4	20.2	24.8	22.9	24.3	23.2	21.9	22.9	27.5	25.8	27.1	24.0	23.1	23.8	Mean
S.D.	4.6	4.9	4.7	6.6	6.8	6.7	6.2	6.7	6.4	5.2	5.7	5.4	4.9	5.4	5.0	S.D.
Sample size	M: 472; W: 154; T: 626															

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	37	57	42	37	40	38	46	58	49	49	60	52	44	58	48	A (4)
B (3)	42	35	41	32	37	33	35	28	34	30	26	29	43	38	42	B (3)
C (2)	18	7	16	21	16	20	12	8	11	13	10	12	12	3	10	C (2)
D (1)	2	1	2	6	2	5	2	1	1	2	1	2	1	0	1	D (1)
F (0)	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	F (0)
Not Taken	0	0	0	4	5	4	5	5	5	5	3	5				Not Taken
Mean	3.13	3.44	3.22	3.03	3.21	3.07	3.32	3.50	3.36	3.32	3.48	3.36	3.18	3.40	3.24	Mean
S.D.	.80	.66	.78	.94	.79	.91	.76	.69	.75	.83	.76	.82	.66	.55	.64	S.D.
Sample size	M: 468; W: 153; T: 621															

^aRounded to the nearest whole letter grade

TABLE 2.75

ACT Score and High School Grade Norms for Students Planning to Major in Community Service Fields

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematic.			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	33
32	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	32
31	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	31
30	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	30
29	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	29
28	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	28
27	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	27
26	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	26
25	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	25
24	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	24
23	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	23
22	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	22
21	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	21
20	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	20
19	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	19
18	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	18
17	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	17
16	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	16
15	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	15
14	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	14
13	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	13
12	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	12
11	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	11
10	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	10
9	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	9
8	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	8
7	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	7
6	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	6
5	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	5
4	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	4
3	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	3
2	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	2
1	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	1
Mean	15.4	17.5	16.5	15.8	14.6	15.2	17.2	16.0	16.5	19.8	18.9	19.3	17.2	16.9	17.0	Mean
S.D.	5.3	5.3	5.4	7.3	7.2	7.2	7.4	7.2	7.3	6.1	5.7	5.9	5.5	5.4	5.5	S.D.
Sample size	M. 636; W. 770; T. 1,406															

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	13	34	25	8	14	12	20	32	27	11	18	15	9	24	17	A (4)
B (3)	43	44	44	27	30	28	41	39	40	30	33	31	51	53	52	B (3)
C (2)	37	19	27	39	31	34	28	21	24	37	27	31	37	22	29	C (2)
D (1)	5	2	3	14	12	13	4	3	4	6	5	6	2	1	1	D (1)
F (0)	0	0	0	2	0	1	0	0	0	1	0	1	0	0	0	F (0)
Not Taken	2	1	1	11	13	12	6	4	5	16	17	16				Not Taken
Mean	2.64	3.12	2.91	2.29	2.53	2.42	2.82	3.04	2.94	2.50	2.76	2.64	2.55	2.87	2.72	Mean
S.D.	.78	.77	.81	.90	.94	.93	.83	.83	.84	.85	.87	.87	.62	.64	.65	S.D.
Sample size	M. 607; W. 753; T. 1,360															

^aRounded to the nearest whole letter grade

TABLE 2.76

ACT Score and High School Grade Norms for Students Planning to Major in Social Sciences

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score		
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T			
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36		
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35		
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34		
33	99	99	99	98	99	99	99	99	99	99	99	99	99	99	99	33		
32	99	99	99	97	99	98	99	99	99	99	99	99	99	99	99	32		
31	99	99	99	96	98	98	99	99	99	99	99	99	99	99	99	31		
30	99	99	99	94	98	96	96	92	97	95	84	93	89	98	99	30		
29	99	98	99	91	97	94	94	88	95	91	77	90	84	95	98	29		
28	98	97	98	87	94	91	91	82	91	87	71	87	79	91	96	28		
27	98	95	96	81	91	86	86	76	87	81	66	83	75	86	92	27		
26	96	92	94	76	87	81	81	68	81	75	60	78	69	79	88	26		
25	92	88	90	71	82	77	77	60	74	67	55	74	64	73	84	25		
24	86	83	85	66	78	72	72	52	68	60	50	69	60	67	78	24		
23	82	77	79	62	74	68	68	45	62	53	46	64	55	61	73	23		
22	76	68	72	58	71	65	65	39	56	48	41	58	50	54	66	22		
21	68	58	63	55	68	61	61	34	51	43	37	53	45	47	60	21		
20	60	49	54	51	64	58	58	29	46	38	32	46	39	40	53	20		
19	51	41	46	47	59	53	53	27	43	35	27	40	34	34	47	19		
18	43	34	38	42	54	48	48	25	41	33	23	35	29	28	41	18		
17	35	27	31	36	48	42	42	23	38	30	18	30	24	23	35	17		
16	28	22	25	30	42	36	36	20	35	28	14	23	18	19	29	16		
15	23	18	20	25	37	31	31	19	32	26	10	17	14	15	23	15		
14	19	15	17	21	31	26	26	17	29	23	8	13	10	12	19	14		
13	16	12	14	18	28	23	23	15	25	20	5	8	6	9	14	13		
12	13	10	11	15	25	20	20	12	21	17	3	5	4	7	10	12		
11	10	7	9	13	21	17	17	11	18	14	2	4	3	5	7	11		
10	7	5	6	11	18	15	15	9	15	12	2	3	2	4	5	10		
9	5	3	4	8	15	12	12	7	12	9	1	2	2	2	3	9		
8	3	2	3	7	12	9	9	5	9	7	1	1	1	1	2	8		
7	2	1	2	5	10	7	7	4	6	5	1	1	1	1	1	7		
6	1	1	1	4	7	5	5	2	5	4	1	1	1	1	1	6		
5	1	1	1	3	5	4	4	2	3	2	1	1	1	1	1	5		
4	1	1	1	2	4	3	3	1	2	1	1	1	1	1	1	4		
3	1	1	1	2	3	2	2	1	1	1	1	1	1	1	1	3		
2	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	2		
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Mean	18.4	19.5	18.9	19.8	17.3	18.5	18.5	22.0	19.1	20.5	23.4	20.8	22.0	21.0	19.3	20.1	Mean	
S.D.	5.0	5.0	5.1	7.3	7.2	7.4	7.4	7.0	7.3	7.3	6.2	5.9	6.2	5.5	5.4	5.5	S.D.	
Sample size	M. 1,557; W. 1,638; T. 3,195																	

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade		
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T			
A (4)	30	46	38	15	19	17	43	47	46	19	26	23	24	35	29	A (4)		
B (3)	44	39	42	30	31	31	36	36	36	37	36	36	54	51	52	B (3)		
C (2)	22	13	17	33	29	31	13	12	13	28	20	24	21	14	17	C (2)		
D (1)	3	1	2	12	10	11	2	2	2	5	4	5	1	1	1	D (1)		
F (0)	0	0	0	2	1	1	0	0	0	1	0	0	0	0	0	F (0)		
Not Taken	1	1	1	7	10	9	3	3	3	11	13	12				Not Taken		
Mean	3.02	3.31	3.17	2.47	2.63	2.55	3.29	3.31	3.30	2.77	2.97	2.87	2.89	3.05	2.97	Mean		
S.D.	.82	.74	.80	.98	.96	.97	.77	.77	.77	.88	.86	.87	.64	.63	.64	S.D.		
Sample size	M. 1,518; W. 1,606; T. 3,124																	

^aRounded to the nearest whole letter grade

TABLE 2.77

ACT Score and High School Grade Norms for Students Planning to Major in Trade, Industrial, and Technical Fields

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	33
32	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	32
31	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	31
30	99	98	99	98	99	99	99	99	99	99	99	99	99	99	99	30
29	99	98	99	97	98	97	97	98	98	99	99	99	99	99	99	29
28	99	98	99	94	97	94	94	96	98	98	98	98	98	98	98	28
27	99	98	99	91	95	91	91	96	96	96	96	96	96	96	96	27
26	99	98	99	87	93	87	87	93	94	93	78	89	79	95	95	26
25	99	98	99	83	91	84	84	90	94	90	73	84	74	92	94	25
24	98	97	98	80	90	81	81	85	84	86	69	79	70	88	93	24
23	96	93	96	77	87	78	78	81	82	81	65	76	66	84	91	23
22	93	83	93	75	82	75	75	76	85	76	60	70	61	80	88	22
21	90	70	89	72	79	72	72	71	74	71	54	66	55	75	79	21
20	86	64	85	69	73	69	69	66	65	66	49	61	49	70	67	20
19	80	53	79	66	68	66	66	63	59	62	44	54	44	64	58	19
18	73	48	72	61	66	62	62	60	56	60	39	46	39	58	51	18
17	65	40	64	56	62	56	56	57	52	57	33	36	33	52	47	17
16	57	33	56	49	56	49	49	54	49	54	27	28	27	46	43	16
15	49	28	48	42	52	43	43	51	46	51	21	21	21	39	35	15
14	43	26	42	36	46	37	37	47	42	46	15	16	15	32	27	14
13	37	23	36	32	39	32	32	42	39	42	10	12	10	26	24	13
12	31	21	31	28	35	29	29	37	37	37	7	9	7	20	20	12
11	24	15	24	24	32	24	24	32	35	32	5	6	5	14	15	11
10	18	9	17	20	27	20	20	26	28	26	4	4	4	9	11	10
9	13	6	13	16	19	16	16	20	21	20	3	4	3	6	7	9
8	9	3	9	13	15	13	13	15	17	16	2	4	2	3	5	8
7	6	1	5	10	13	10	10	11	10	11	1	4	1	2	3	7
6	3	1	3	8	11	8	8	8	6	7	1	4	1	1	2	6
5	2	1	2	6	10	6	6	5	5	5	1	3	1	1	2	5
4	1	1	1	4	7	4	4	3	4	3	1	2	1	1	1	4
3	1	1	1	3	3	3	3	1	4	1	1	1	1	1	1	3
2	1	1	1	2	1	2	2	1	3	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	14.8	17.4	14.9	16.6	15.0	16.5	15.6	15.5	15.6	20.5	19.1	20.4	17.0	16.9	17.0	Mean
S.D.	4.9	5.0	4.9	7.3	6.9	7.3	7.0	6.8	7.0	6.1	6.1	6.1	5.4	5.2	5.4	S.D.
Sample size	M: 886	W: 49	T: 935													

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	10	22	10	9	13	9	17	26	17	12	17	12	9	16	10	A (4)
B (3)	39	57	40	28	22	27	36	37	36	26	26	26	44	51	44	B (3)
C (2)	39	20	38	36	37	36	34	33	33	35	41	35	43	33	42	C (2)
D (1)	10	0	9	14	15	14	8	0	7	7	2	6	4	0	4	D (1)
F (0)	1	2	1	2	2	2	0	0	0	1	0	1	0	0	0	F (0)
Not Taken	2	0	2	11	11	11	6	4	6	20	13	20				Not Taken
Mean	2.47	2.96	2.50	2.31	2.32	2.31	2.65	2.93	2.67	2.53	2.67	2.54	2.49	2.74	2.50	Mean
S.D.	.83	.78	.84	.94	1.00	.94	.88	.78	.87	.67	.82	.87	.65	.64	.65	S.D.
Sample size	M: 847	W: 46	T: 893													

^aRounded to the nearest whole letter grade.

TABLE 2.78

ACT Score and High School Grade Norms for Students Planning to Major in General Studies

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	99	99	99	99	99	99	97	99	98	99	99	99	33
32	99	99	99	99	99	99	99	99	99	93	98	96	99	99	99	32
31	99	99	99	98	99	99	98	99	99	86	96	92	99	99	99	31
30	99	99	99	96	99	98	95	99	97	80	94	86	99	99	99	30
29	99	98	99	93	98	96	91	97	94	76	90	84	96	98	97	29
28	99	97	98	89	96	93	89	94	92	71	86	80	92	96	94	28
27	99	96	97	84	92	89	87	92	90	68	82	77	89	94	92	27
26	98	94	95	80	88	85	83	88	86	63	78	72	85	90	88	26
25	95	91	93	75	82	79	78	84	81	58	72	67	80	87	84	25
24	92	86	88	69	78	74	71	80	77	52	68	62	75	82	79	24
23	88	81	84	65	75	71	64	74	70	45	63	56	70	76	74	23
22	84	73	77	62	71	67	58	66	63	40	58	51	65	70	68	22
21	77	63	69	59	67	63	51	60	57	35	53	46	59	64	62	21
20	70	55	61	56	62	59	42	51	47	25	42	36	42	49	46	20
19	61	44	51	52	58	55	38	48	44	22	37	31	33	43	39	19
18	51	34	41	49	53	51	35	45	41	19	31	27	27	37	33	18
17	40	27	32	43	47	45	33	42	38	16	23	21	22	31	27	17
16	32	21	25	30	36	34	29	39	35	12	16	14	17	25	22	16
15	26	16	20	25	32	29	26	35	31	8	10	9	14	19	17	15
14	22	12	16	21	29	26	22	31	27	5	6	5	12	14	13	14
13	19	10	14	18	25	22	17	26	23	4	4	4	9	11	10	13
12	15	7	10	15	22	19	15	22	19	2	2	2	7	7	7	12
11	11	5	7	12	18	16	12	17	15	1	2	1	5	5	5	11
10	8	3	5	10	15	13	10	12	11	1	1	1	3	3	3	10
9	6	2	4	9	12	11	7	9	8	1	1	1	2	2	2	9
8	4	2	2	7	10	9	5	7	6	1	1	1	2	1	1	8
7	2	1	1	5	9	8	4	4	4	1	1	1	1	1	1	7
6	1	1	1	5	8	7	3	3	3	1	1	1	1	1	1	6
5	1	1	1	4	7	5	2	2	2	1	1	1	1	1	1	5
4	1	1	1	3	5	4	1	1	1	1	1	1	1	1	1	4
3	1	1	1	2	3	3	1	1	1	1	1	1	1	1	1	3
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	17.5	19.3	18.6	18.8	17.1	17.8	19.4	17.7	18.4	23.4	20.9	21.9	19.9	18.9	19.3	Mean
S.D.	4.8	4.6	4.8	7.4	7.4	7.4	7.1	7.0	7.1	6.3	5.8	6.1	5.5	5.3	5.4	S.D.
Sample size	M: 226; W: 350; T: 576															

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	15	43	32	14	24	20	28	41	36	20	26	23	16	36	28	A (4)
B (3)	45	44	45	31	32	31	37	37	37	29	36	34	52	50	51	B (3)
C (2)	34	12	20	34	29	31	26	14	19	33	18	24	29	14	20	C (2)
D (1)	4	1	2	13	5	8	6	2	4	5	3	4	2	0	1	D (1)
F (0)	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	F (0)
Not Taken	1	0	1	7	10	9	3	6	5	13	18	16				Not Taken
Mean	2.71	3.30	3.07	2.46	2.81	2.67	2.89	3.22	3.09	2.73	3.03	2.91	2.71	3.09	2.94	Mean
S.D.	.79	.70	.79	.95	.91	.94	.89	.81	.86	.89	.82	.86	.66	.60	.66	S.D.
Sample size	M: 220; W: 344; T: 564															

^aRounded to the nearest whole letter grade

TABLE 2.79

ACT Score and High School Grade Norms for Students Undecided about Their Major

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	98	99	99	99	99	99	98	99	99	99	99	99	33
32	99	99	99	98	99	99	99	99	99	96	99	97	99	99	99	32
31	99	99	99	96	99	98	98	98	99	92	97	95	99	99	99	31
30	99	99	99	95	98	96	96	97	99	87	95	91	98	99	99	30
29	99	99	99	92	97	95	95	95	98	83	92	87	97	98	98	29
28	99	98	99	88	95	91	92	96	94	78	89	84	94	97	96	28
27	99	97	98	83	91	88	88	94	91	74	86	80	91	95	93	27
26	98	95	96	79	88	83	84	90	87	69	82	76	87	92	90	26
25	96	92	94	73	84	78	78	86	82	64	78	71	82	88	85	25
24	93	88	91	68	79	74	73	81	77	60	75	67	76	84	80	24
23	90	83	87	64	76	70	66	76	71	55	71	63	71	80	76	23
22	85	77	81	61	74	67	61	71	66	50	66	58	66	75	70	22
21	79	68	73	58	71	65	57	66	62	46	61	53	60	69	65	21
20	72	59	65	55	68	61	53	61	57	41	56	48	54	64	59	20
19	64	52	58	51	64	58	49	58	54	36	50	43	43	58	53	19
18	55	44	50	47	60	54	47	55	51	31	46	38	43	52	48	18
17	47	36	41	43	55	49	45	52	49	26	40	33	38	46	42	17
16	39	31	35	38	49	44	42	49	46	21	32	27	33	40	36	16
15	33	25	29	32	44	38	39	47	43	17	24	21	28	33	31	15
14	29	21	25	27	38	33	36	43	39	13	18	16	24	27	26	14
13	25	18	21	24	34	29	32	38	35	9	13	11	19	22	21	13
12	21	14	18	21	30	26	29	33	31	7	8	7	15	18	16	12
11	18	11	14	18	26	22	25	29	27	5	5	5	11	14	12	11
10	13	8	11	15	22	19	21	24	23	3	4	4	8	10	9	10
9	9	6	8	12	19	16	17	19	18	2	3	3	5	6	6	9
8	6	4	5	10	16	13	13	15	14	2	2	2	3	3	3	8
7	4	2	3	8	13	11	9	11	10	1	1	1	2	2	2	7
6	2	1	2	6	7	8	7	8	8	1	1	1	1	1	1	6
5	1	1	1	5	5	7	5	6	5	1	1	1	1	1	1	5
4	1	1	1	5	5	4	3	4	3	1	1	1	1	1	1	4
3	1	1	1	2	5	3	2	2	2	1	1	1	1	1	1	3
2	1	1	1	2	3	2	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	16.7	18.2	17.5	18.8	16.4	17.6	17.9	16.4	17.1	21.9	19.6	20.7	18.9	17.8	18.3	Mean
S.D.	5.2	5.2	5.3	7.8	7.5	7.8	7.8	7.4	7.6	6.6	6.0	6.4	6.0	5.6	5.9	S.D.
Sample size	M: 1,483; W: 1,536; T: 3,019															

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	20	40	30	17	21	19	30	37	33	19	23	21	21	33	27	A (4)
B (3)	44	41	42	29	31	30	37	38	37	34	35	34	48	50	49	B (3)
C (2)	30	17	23	34	28	31	24	19	21	29	21	25	30	17	23	C (2)
D (1)	4	2	3	11	7	9	4	2	3	5	3	4	2	1	1	D (1)
F (0)	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	F (0)
Not Taken	2	1	1	8	12	10	5	5	5	14	17	15				Not Taken
Mean	2.81	3.19	3.00	2.53	2.74	2.64	2.97	3.15	3.06	2.76	2.94	2.85	2.76	3.01	2.89	Mean
S.D.	.81	.78	.82	.97	.93	.96	.87	.80	.84	.87	.84	.86	.68	.65	.67	S.D.
Sample size	M: 1,427; W: 1,495; T: 2,922															

^aRounded to the nearest whole letter grade

TABLE 2.80

ACT Score and High School Grade Norms for Black Students

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	97	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	33
32	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	32
31	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	31
30	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	30
29	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	29
28	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	28
27	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	27
26	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	26
25	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	25
24	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	24
23	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	23
22	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	22
21	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	21
20	94	91	92	90	95	93	82	91	88	83	92	88	90	96	94	20
19	90	88	89	89	94	92	80	89	86	79	90	86	88	94	92	19
18	86	83	84	86	92	90	79	88	84	75	87	82	85	91	89	18
17	81	76	78	83	89	87	76	86	82	70	82	77	81	88	85	17
16	75	70	72	77	86	82	74	84	80	62	74	69	77	80	76	16
15	70	64	66	71	82	78	72	82	78	51	63	59	64	73	70	15
14	65	58	61	65	76	72	70	78	75	41	52	48	57	66	63	14
13	59	52	55	59	71	66	66	74	71	31	39	36	49	58	55	13
12	52	46	48	53	66	61	62	70	67	23	28	26	41	48	45	12
11	45	39	41	48	60	55	57	65	62	18	21	20	32	37	35	11
10	39	31	34	41	53	48	51	60	56	13	16	15	23	27	25	10
9	31	25	27	36	45	42	45	52	50	10	13	12	15	17	16	9
8	23	19	20	31	40	36	38	44	41	7	9	9	9	9	9	8
7	16	13	14	26	34	31	30	34	33	4	6	6	5	5	5	7
6	11	8	9	21	27	24	23	27	25	3	4	4	2	2	2	6
5	6	4	5	17	21	19	16	19	18	2	2	2	1	1	1	5
4	4	2	3	12	15	14	10	12	11	1	1	1	1	1	1	4
3	2	1	2	8	11	10	6	7	7	1	1	1	1	1	1	3
2	1	1	1	5	8	7	3	4	4	1	1	1	1	1	1	2
1	1	1	1	1	3	2	1	1	1	1	1	1	1	1	1	1
Mean	12.1	12.9	12.6	11.7	10.0	10.6	11.6	10.1	10.7	15.4	13.9	14.5	12.8	11.8	12.2	Mean
S.D.	5.0	5.0	5.0	6.3	5.6	5.9	7.0	5.9	6.4	5.4	4.4	4.9	4.9	4.1	4.5	S.D.
Sample size	M: 1,037; W: 1,686; T: 2,723															

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	12	22	18	7	11	10	18	23	22	10	13	12	8	14	12	A (4)
B (3)	35	44	40	25	26	26	36	37	36	28	30	29	45	52	49	B (3)
C (2)	43	30	35	42	34	37	33	27	29	35	30	32	44	32	37	C (2)
D (1)	8	3	5	14	15	15	6	4	5	8	6	6	3	1	2	D (1)
F (0)	0	0	0	2	1	1	0	0	0	1	0	1	0	0	0	F (0)
Not Taken	2	1	1	10	13	12	7	8	8	19	20	20				Not Taken
Mean	2.50	2.86	2.72	2.23	2.36	2.31	2.71	2.86	2.80	2.47	2.62	2.57	2.46	2.67	2.59	Mean
S.D.	.82	.81	.83	.88	.95	.93	.86	.85	.86	.86	.86	.86	.60	.63	.63	S.D.
Sample size	M: 988; W: 1,633; T: 2,621															

^aRounded to the nearest whole letter grade

TABLE 2.81
**ACT Score and High School Grade Norms for
 American Indian Students**

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	33
32	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	32
31	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	31
30	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	30
29	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	29
28	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	28
27	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	27
26	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	26
25	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	25
24	97	95	96	88	91	88	85	91	88	74	87	81	91	94	93	24
23	95	91	93	81	88	84	80	86	83	71	84	78	87	92	89	23
22	91	87	89	78	84	81	74	82	78	67	79	74	83	88	86	22
21	87	82	84	76	81	79	69	78	74	62	74	69	79	83	81	21
20	83	76	79	73	79	77	63	75	70	57	69	64	71	77	74	20
19	79	69	73	71	76	73	60	72	67	51	64	58	65	72	69	19
18	72	60	65	67	72	69	59	69	64	43	59	52	60	67	64	18
17	64	51	57	61	68	64	57	66	62	34	53	44	54	62	58	17
16	57	43	49	54	61	58	54	64	60	27	43	36	48	56	52	16
15	48	35	41	47	54	51	51	62	57	20	32	27	41	49	45	15
14	40	31	35	42	48	45	48	58	53	13	22	18	35	43	39	14
13	35	27	31	36	43	40	44	53	49	8	15	12	28	35	32	13
12	30	22	26	31	39	35	38	46	42	6	10	8	21	26	24	12
11	26	18	22	26	35	31	32	40	36	4	8	6	15	19	17	11
10	21	14	17	20	30	26	26	35	31	3	6	5	9	13	11	10
9	16	10	13	16	25	21	20	28	25	2	5	4	5	8	6	9
8	11	8	9	12	20	16	14	22	18	1	4	3	3	4	4	8
7	7	5	6	9	15	12	10	17	14	1	2	1	1	3	2	7
6	4	2	3	6	11	9	7	13	11	1	2	1	1	1	1	6
5	2	1	2	4	9	6	4	8	6	1	1	1	1	1	1	5
4	1	1	1	3	6	4	2	4	3	1	1	1	1	1	1	4
3	1	1	1	2	3	3	1	3	2	1	1	1	1	1	1	3
2	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	14.9	16.3	15.6	15.9	14.3	15.1	15.8	13.9	14.8	19.8	17.6	18.6	16.7	15.6	16.1	Mean
S.D.	5.1	5.1	5.2	6.9	6.8	6.9	7.1	6.9	7.1	5.7	5.2	5.5	5.2	5.0	5.1	S.D.
Sample size	M. 313 W. 365 T. 678															

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	14	30	23	8	14	11	18	28	24	15	20	17	10	23	17	A (4)
B (3)	38	44	41	27	35	31	39	36	38	30	25	28	50	50	50	B (3)
C (2)	40	23	31	42	32	37	34	27	30	32	33	32	38	25	31	C (2)
D (1)	6	2	4	13	8	10	3	3	3	7	4	5	2	2	2	D (1)
F (0)	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	F (0)
Not Taken	0	1	1	9	9	9	6	6	6	16	18	17				Not Taken
Mean	2.60	3.01	2.82	2.30	2.59	2.46	2.76	2.96	2.87	2.62	2.73	2.68	2.57	2.82	2.70	Mean
S.D.	.83	.82	.85	.87	.90	.90	.79	.83	.82	.88	.88	.88	.63	.67	.66	S.D.
Sample size	M. 299 W. 349 T. 648															

^aRounded to the nearest whole letter grade

TABLE 2.82

**ACT Score and High School Grade Norms for
Caucasian-American (White) Students**

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	98	99	99	99	99	99	97	99	98	99	99	99	33
32	99	99	99	97	99	98	99	99	99	94	98	96	99	99	99	32
31	99	99	99	95	98	97	99	97	99	89	96	93	99	99	99	31
30	99	99	99	93	97	95	96	98	97	83	93	88	98	99	98	30
29	99	98	99	89	95	92	93	97	95	77	89	83	96	98	97	29
28	99	97	98	84	93	88	90	94	92	71	85	78	92	96	94	28
27	98	96	97	78	89	83	85	91	88	65	81	74	88	93	90	27
26	97	93	95	71	84	78	78	86	83	60	77	69	82	89	86	26
25	95	90	92	65	79	72	71	81	76	55	72	64	75	84	80	25
24	91	85	88	59	74	67	64	75	70	50	67	59	69	79	74	24
23	86	78	82	55	71	63	57	68	63	45	62	54	62	73	68	23
22	80	69	74	51	67	60	50	62	57	39	56	48	55	67	61	22
21	72	59	65	48	64	56	45	57	51	35	51	43	49	60	55	21
20	64	50	56	45	60	53	40	52	46	30	45	38	42	53	48	20
19	56	42	48	41	56	49	37	48	43	25	39	33	37	47	42	19
18	47	33	40	36	51	44	34	45	40	21	34	28	31	41	36	18
17	38	26	32	31	45	39	32	42	37	17	28	23	26	34	30	17
16	31	20	26	26	39	33	30	39	35	13	21	17	21	28	25	16
15	26	16	21	21	33	28	27	36	32	9	15	12	17	23	20	15
14	21	13	17	18	28	23	24	32	28	6	10	8	13	17	15	14
13	17	10	14	15	24	20	20	28	24	4	6	5	9	13	11	13
12	14	8	10	13	21	17	17	24	21	2	3	3	6	9	8	12
11	10	5	8	11	18	15	14	20	17	1	2	2	4	6	5	11
10	7	4	5	9	16	12	11	16	14	1	1	1	3	3	3	10
9	5	2	3	7	12	10	8	12	10	1	1	1	1	2	2	9
8	3	1	2	6	10	8	6	9	7	1	1	1	1	1	1	8
7	2	1	1	5	8	6	4	6	5	1	1	1	1	1	1	7
6	1	1	1	3	6	5	2	4	3	1	1	1	1	1	1	6
5	1	1	1	2	4	3	2	2	2	1	1	1	1	1	1	5
4	1	1	1	2	3	2	1	1	1	1	1	1	1	1	1	4
3	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	3
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	17.9	19.5	18.8	20.8	18.0	19.3	20.2	18.3	19.2	23.6	21.2	22.3	20.7	19.4	20.0	Mean
S.D.	4.8	4.7	4.8	7.3	7.2	7.4	7.0	7.0	7.1	6.0	5.7	6.0	5.4	5.2	5.3	S.D.
Sample size	M: 14,307.			W: 15,729.			T: 30,036									

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	25	45	35	20	23	22	34	43	39	23	28	25	25	36	31	A (4)
B (3)	45	42	43	31	34	33	38	37	37	35	37	36	50	50	50	B (3)
C (2)	26	12	18	31	27	29	20	15	17	26	20	23	23	13	18	C (2)
D (1)	3	1	2	10	7	8	3	2	2	5	3	4	1	0	1	D (1)
F (0)	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	F (0)
Not Taken	1	1	1	6	9	8	4	4	4	11	12	12				Not Taken
Mean	2.92	3.31	3.12	2.64	2.80	2.72	3.08	3.25	3.17	2.84	3.02	2.93	2.86	3.09	2.98	Mean
S.D.	.82	.72	.79	.97	.92	.95	.83	.79	.81	.88	.83	.86	.67	.62	.65	S.D.
Sample size	M: 13,963.			W: 15,379.			T: 29,342									

^aRounded to the nearest whole letter grade

TABLE 2.83
ACT Score and High School Grade Norms for Mexican-American (Chicano) Students

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score		
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T			
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36		
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35		
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34		
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	33		
32	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	32		
31	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	31		
30	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	30		
29	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	29		
28	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	28		
27	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	27		
26	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	26		
25	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	25		
24	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	24		
23	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	23		
22	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	22		
21	94	93	93	83	93	86	75	86	81	71	86	81	77	89	83	21		
20	91	89	90	80	91	83	72	83	78	66	83	78	71	86	79	20		
19	86	85	86	76	89	80	68	82	75	60	78	70	66	82	74	19		
18	79	79	79	71	87	80	66	81	74	54	73	64	60	77	69	18		
17	72	72	72	66	84	70	64	79	72	45	65	56	54	70	62	17		
16	64	66	65	61	73	64	62	76	69	35	55	45	49	63	56	16		
15	58	59	59	51	67	58	60	72	66	26	43	35	42	57	50	15		
14	54	53	53	47	62	52	56	68	62	18	31	25	35	49	43	14		
13	50	47	48	37	57	47	51	63	57	9	16	13	27	40	34	13		
12	44	40	42	32	50	41	45	60	53	7	11	9	20	30	25	12		
11	37	33	35	28	43	36	38	54	46	5	8	7	13	20	17	11		
10	30	27	28	24	36	30	32	45	38	3	6	5	8	11	10	10		
9	22	22	22	21	31	26	25	36	31	2	4	3	4	6	5	9		
8	15	15	15	17	25	21	21	29	25	1	2	2	2	3	3	8		
7	10	10	10	13	20	17	16	22	19	1	1	1	1	2	1	7		
6	5	6	6	9	17	13	11	15	13	1	1	1	1	1	1	6		
5	3	4	3	7	13	10	6	8	7	1	1	1	1	1	1	5		
4	1	2	1	5	9	7	3	5	4	1	1	1	1	1	1	4		
3	1	1	1	3	6	5	2	3	2	1	1	1	1	1	1	3		
2	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	2		
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Mean	13.4	13.6	13.5	14.3	11.4	12.8	13.7	11.2	12.4	17.6	15.2	16.3	14.9	13.0	13.9	Mean		
S.D.	5.0	5.2	5.1	6.9	6.1	6.7	7.5	6.4	7.0	5.7	4.9	5.4	5.3	4.7	5.1	S.D.		
Sample size	M: 446, W: 490, T: 936																	

HIGH-SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade		
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T			
A (4)	14	27	21	14	14	14	25	24	24	13	13	13	15	16	16	A (4)		
B (3)	40	42	41	25	29	27	36	36	36	29	33	31	47	56	51	B (3)		
C (2)	36	24	30	42	38	32	29	29	29	30	32	31	36	27	32	C (2)		
D (1)	6	4	5	10	13	12	2	3	3	7	5	6	2	1	1	D (1)		
F (0)	0	0	0	2	0	1	0	0	0	1	0	0	0	0	0	F (0)		
Not Taken	4	3	3	11	12	11	7	7	7	21	17	19				Not Taken		
Mean	2.65	2.96	2.81	2.44	2.48	2.46	2.89	2.86	2.88	2.58	2.64	2.61	2.63	2.74	2.69	Mean		
S.D.	.82	.82	.83	.95	.95	.95	.84	.84	.84	.89	.83	.86	.65	.61	.63	S.D.		
Sample size	M: 422, W: 465, T: 887																	

^aRounded to the nearest whole letter grade

TABLE 2.84

ACT Score and High School Grade Norms for Oriental-American Students

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	97	99	98	99	99	99	98	99	99	99	99	99	33
32	99	99	99	95	99	97	99	99	99	96	99	99	99	99	99	32
31	99	99	99	94	97	96	98	99	99	93	97	95	99	99	99	31
30	99	99	99	93	95	94	96	99	97	89	93	91	98	99	98	30
29	99	99	99	92	93	93	94	98	95	86	90	88	95	98	97	29
28	99	99	99	89	91	90	93	97	95	83	87	88	94	97	96	28
27	99	98	99	81	86	86	90	96	94	79	85	85	94	97	96	27
26	99	97	98	80	81	80	87	95	91	76	82	82	94	97	94	26
25	97	96	96	73	76	75	84	92	88	72	79	76	82	85	84	25
24	96	93	94	68	71	70	80	87	84	67	76	72	88	89	89	24
23	95	89	92	64	68	66	75	81	79	63	73	68	76	80	78	23
22	91	82	86	60	65	63	70	77	74	60	68	64	70	76	73	22
21	82	76	79	54	62	59	64	72	69	58	64	61	65	73	70	21
20	74	70	72	49	58	54	60	69	65	52	59	56	59	70	65	20
19	70	64	67	45	55	51	57	65	62	47	54	51	53	64	59	19
18	67	53	59	41	54	48	53	62	58	44	48	46	47	57	53	18
17	61	42	50	37	51	45	49	60	55	39	41	40	44	49	47	17
16	55	36	44	32	46	40	46	58	53	32	33	33	43	43	43	16
15	49	33	40	28	42	36	43	55	50	27	26	26	40	38	39	15
14	45	31	37	24	37	31	40	52	46	20	21	20	34	31	32	14
13	40	28	33	21	32	27	35	48	42	12	13	13	27	24	25	13
12	37	24	29	19	26	24	32	43	38	7	7	7	20	19	19	12
11	31	18	24	16	22	20	30	38	34	5	5	5	16	14	15	11
10	19	10	14	13	19	18	28	31	30	4	3	4	11	10	11	10
9	15	6	10	9	15	14	24	25	24	3	3	3	7	6	6	9
8	10	3	6	5	10	8	18	19	19	2	1	2	4	4	4	8
7	7	2	4	3	7	6	14	13	14	1	1	1	1	2	2	7
6	3	1	2	2	5	4	13	9	11	1	1	1	1	1	1	6
5	1	1	1	1	3	2	10	7	8	1	1	1	1	1	1	5
4	1	1	1	1	3	2	8	4	6	1	1	1	1	1	1	4
3	1	1	1	1	3	2	5	3	4	1	1	1	1	1	1	3
2	1	1	1	1	2	1	2	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	148	159	160	194	177	184	165	149	156	204	194	198	179	174	176	Mean
S.D.	58	54	57	76	79	78	81	72	77	68	60	64	62	57	59	S.D.
Sample size	M 105,	W 137,	T 242													

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	17	34	26	18	21	20	24	38	32	20	23	22	21	34	29	A (4)
B (3)	40	45	43	30	33	32	35	37	37	30	33	32	44	41	42	B (3)
C (2)	33	18	24	26	25	25	25	15	19	27	25	26	33	24	28	C (2)
D (1)	8	2	4	13	12	12	7	5	6	5	5	5	1	2	1	D (1)
F (0)	0	0	0	0	2	1	1	0	0	0	0	0	0	0	0	F (0)
Not Taken	3	2	2	12	8	10	7	5	6	18	14	16	0	0	0	Not Taken
Mean	2.67	3.13	2.93	2.61	2.63	2.62	2.80	3.14	3.00	2.79	2.87	2.84	2.73	2.94	2.85	Mean
S.D.	.85	.76	.83	.98	1.04	1.01	.95	.87	.92	.88	.87	.88	.71	.70	.71	S.D.
Sample size	M 101,	W 133,	T 234													

^aRounded to the nearest whole letter grade

TABLE 2.85

ACT Score and High School Grade Norms for Puerto Rican Students

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	33
32	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	32
31	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	31
30	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	30
29	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	29
28	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	28
27	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	27
26	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	26
25	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	25
24	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	24
23	98	95	97	84	95	90	84	90	87	77	88	84	90	93	91	23
22	97	92	94	83	93	89	79	88	84	72	85	80	86	90	89	22
21	96	89	92	82	91	88	74	85	81	69	83	77	81	89	86	21
20	91	85	88	80	89	86	71	83	78	67	81	75	77	87	83	20
19	83	79	81	78	87	84	66	81	75	65	78	73	75	85	81	19
18	77	72	74	75	85	81	64	80	74	60	72	67	70	82	78	18
17	73	68	70	70	81	76	63	78	72	54	64	60	63	77	72	17
16	70	64	66	63	74	69	60	75	69	49	57	53	58	71	66	16
15	65	59	61	55	67	62	58	70	66	42	50	47	54	66	61	15
14	59	54	56	49	60	55	55	66	61	36	42	40	51	60	56	14
13	53	49	51	42	54	49	51	62	57	30	31	31	46	51	49	13
12	46	42	44	35	46	42	47	57	53	26	23	24	38	41	40	12
11	39	35	37	29	41	36	43	51	48	22	19	20	30	32	31	11
10	34	28	30	23	34	30	40	43	42	16	15	16	22	25	24	10
9	30	22	25	20	28	25	36	36	36	12	12	12	18	19	18	9
8	26	16	20	16	26	22	31	29	30	9	9	9	15	12	13	8
7	19	12	15	13	22	18	26	25	25	5	7	7	10	8	9	7
6	14	7	10	11	17	14	21	21	21	3	6	5	7	4	5	6
5	7	3	5	10	12	11	16	15	16	3	5	4	4	1	2	5
4	2	2	2	8	8	8	11	9	10	3	3	3	2	1	1	4
3	1	1	1	7	5	5	8	5	6	3	1	2	1	1	1	3
2	1	1	1	4	4	4	5	3	4	2	1	1	1	1	1	2
1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1
Mean	12.7	13.8	13.4	14.7	12.5	13.4	13.8	12.2	12.8	17.1	15.5	16.1	14.7	13.6	14.1	Mean
S.D.	5.4	5.6	5.5	7.1	6.1	6.6	8.0	6.8	7.4	7.3	5.8	6.5	6.1	5.1	5.6	S.D.
Sample size	M: 92	W: 137	T: 229													

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	9	25	18	16	13	14	23	24	23	16	19	18	13	18	16	A (4)
B (3)	42	46	45	28	34	32	36	41	39	31	35	33	57	56	56	B (3)
C (2)	37	24	29	32	27	29	26	26	26	26	26	26	29	24	26	C (2)
D (1)	6	2	4	7	14	11	7	2	4	2	7	5	1	2	2	D (1)
F (0)	1	0	0	3	2	2	0	1	0	2	0	1	0	0	0	F (0)
Not Taken	6	3	4	14	10	11	8	7	7	22	14	17	Not Taken			
Mean	2.55	2.96	2.80	2.54	2.48	2.51	2.81	2.92	2.88	2.73	2.76	2.75	2.69	2.76	2.73	Mean
S.D.	.79	.77	.80	1.01	.97	.99	.89	.82	.85	.92	.88	.90	.59	.64	.62	S.D.
Sample size	M: 90	W: 134	T: 224													

^aRounded to the nearest whole letter grade

TABLE 2.86

ACT Score and High School Grade Norms for Students of Other Racial-Ethnic Backgrounds

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	33
32	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	32
31	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	31
30	99	99	99	97	98	98	99	99	99	94	97	96	99	99	99	30
29	99	99	99	95	97	96	98	98	98	91	96	94	99	99	99	29
28	99	99	99	92	96	94	97	97	97	87	94	91	98	98	98	28
27	99	98	99	88	94	91	94	94	94	84	90	87	97	96	97	27
26	99	97	98	84	90	88	90	92	91	79	86	83	95	94	95	26
25	99	95	97	79	87	83	85	88	87	74	83	79	92	92	92	25
24	98	93	95	74	83	79	80	85	82	69	80	75	87	90	89	24
23	96	90	92	70	81	76	74	81	78	65	77	72	82	86	84	23
22	93	84	88	67	78	73	69	76	73	60	73	67	76	82	79	22
21	87	78	82	64	75	70	64	73	69	55	68	62	71	77	74	21
20	81	72	76	60	71	66	59	69	65	50	64	57	65	71	69	20
19	75	65	70	55	68	62	56	65	61	44	58	52	58	66	62	19
18	68	56	61	51	64	58	53	62	58	38	52	46	52	60	56	18
17	60	47	53	45	58	52	50	60	55	32	46	40	45	55	50	17
16	52	41	46	38	52	45	47	58	53	26	39	33	38	50	44	16
15	45	34	39	31	46	39	45	56	51	21	30	26	31	44	38	15
14	39	29	33	26	41	34	43	52	48	16	21	19	25	37	31	14
13	33	24	28	22	37	30	39	47	43	11	15	13	20	29	25	13
12	29	19	23	19	33	26	35	42	38	7	10	8	16	22	19	12
11	23	15	19	15	29	23	29	37	33	4	6	5	12	15	14	11
10	16	11	14	13	25	19	23	31	28	3	4	4	8	9	9	10
9	11	7	9	11	20	16	19	24	22	2	3	3	5	5	5	9
8	7	4	6	9	16	13	14	19	17	1	2	2	3	3	3	8
7	5	3	4	7	13	10	11	13	12	1	1	1	1	1	1	7
6	3	1	2	5	10	8	8	9	9	1	1	1	1	1	1	6
5	1	1	1	4	8	6	5	6	6	1	1	1	1	1	1	5
4	1	1	1	3	6	4	3	4	4	1	1	1	1	1	1	4
3	1	1	1	2	4	3	2	3	3	1	1	1	1	1	1	3
2	1	1	1	1	3	2	1	2	2	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	15.3	16.9	16.2	18.3	15.7	16.9	16.6	15.1	15.7	20.4	18.6	19.4	17.7	16.7	17.2	Mean
S.D.	4.8	5.1	5.0	7.0	7.4	7.3	7.4	7.4	7.4	6.0	5.6	5.9	5.2	5.4	5.3	S.D.
Sample size	M: 514, W: 625, T: 1,139															

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	18	32	26	15	18	17	26	31	28	15	22	19	14	25	20	A (4)
B (3)	41	49	45	30	30	30	40	41	41	33	36	35	55	54	55	B (3)
C (2)	34	17	24	35	32	33	23	19	21	30	23	26	28	20	24	C (2)
D (1)	5	1	3	10	9	9	4	3	3	6	5	5	2	1	1	D (1)
F (0)	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	F (0)
Not Taken	2	1	2	9	11	10	7	6	6	16	13	14				Not Taken
Mean	2.74	3.12	2.95	2.54	2.62	2.59	2.93	3.06	3.00	2.68	2.87	2.78	2.71	2.91	2.82	Mean
S.D.	.82	.74	.80	.92	.94	.93	.85	.80	.83	.86	.87	.87	.64	.62	.64	S.D.
Sample size	M: 496, W: 609, T: 1,105															

^aRounded to the nearest whole letter grade

TABLE 2.87

ACT Score and High School Grade Norms for Students Who Considered Their Racial-Ethnic Background Confidential

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	98	99	99	99	99	99	98	99	99	33
32	99	99	99	98	99	98	99	99	99	95	98	96	32
31	99	99	99	96	99	98	98	99	98	92	96	94	31
30	99	99	99	95	98	96	96	98	97	87	93	90	30
29	99	99	99	92	97	94	94	97	96	82	90	86	29
28	99	98	99	89	94	91	91	95	93	78	88	83	28
27	99	97	98	85	90	88	88	92	90	74	85	79	27
26	97	95	96	80	87	83	83	89	86	69	82	76	26
25	96	92	94	75	83	79	77	84	81	65	78	72	25
24	94	87	90	71	80	75	72	78	75	61	74	67	24
23	90	82	86	67	77	72	66	72	69	56	70	63	23
22	86	75	80	64	74	69	60	67	64	51	64	58	22
21	80	67	73	61	70	66	55	63	59	47	60	53	21
20	74	59	66	57	67	62	51	58	54	42	54	48	20
19	67	53	60	54	63	58	47	55	51	37	49	43	19
18	58	44	51	50	58	54	45	53	49	32	44	38	18
17	50	36	43	45	52	49	43	50	46	27	37	32	17
16	44	31	37	39	46	42	40	48	44	22	30	26	16
15	37	26	32	33	40	37	38	45	41	17	23	20	15
14	31	22	26	28	35	31	35	40	38	13	17	15	14
13	27	18	22	24	31	28	31	36	34	9	11	10	13
12	22	15	19	21	27	24	26	32	29	6	7	6	12
11	18	12	15	18	24	21	23	28	25	4	5	5	11
10	13	9	11	15	20	18	19	23	21	3	3	3	10
9	10	6	8	13	17	15	15	18	17	2	2	2	9
8	7	4	5	10	14	12	11	14	13	2	2	2	8
7	4	2	3	8	11	10	8	10	9	1	1	1	7
6	3	1	2	6	8	7	6	7	7	1	1	1	6
5	1	1	1	4	6	5	4	5	4	1	1	1	5
4	1	1	1	3	4	4	3	3	3	1	1	1	4
3	1	1	1	2	3	3	2	2	2	1	1	1	3
2	1	1	1	1	2	2	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	165	182	173	185	168	176	182	169	176	218	199	208	Mean
S.D.	53	54	54	77	74	76	78	75	76	66	61	64	S.D.
Sample size	M 1,700; W 1,740; T 3,440												

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average ^a			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	21	39	30	17	21	19	27	38	33	18	21	20	20	30	25	A (4)
B (3)	41	44	43	28	31	30	39	39	39	31	37	34	47	52	50	B (3)
C (2)	31	14	22	33	30	31	25	17	21	29	24	26	30	18	24	C (2)
D (1)	5	2	3	11	8	9	3	2	3	6	3	4	2	1	1	D (1)
F (0)	0	0	0	2	1	1	0	0	0	1	0	0	0	0	0	F (0)
Not Taken	2	1	2	10	9	10	6	4	5	16	15	15				Not Taken
Mean	279	322	301	253	269	261	295	317	306	271	290	281	274	299	287	Mean
S.D.	84	76	83	98	94	97	85	80	83	91	81	87	69	63	67	S.D.
Sample size	M 1,641; W 1,693; T 3,334															

^aRounded to the nearest whole letter grade

Chapter 3

STUDENT PROFILE SECTION (SPS) NGRMS

In this chapter, percentage distributions for selected SPS items are given for subgroups of students defined by college control and type. Below are summarized some of the findings about their responses to these items.

Educational Major and Vocational Choice

Educational major and first vocational choice are strongly related; for both sexes they differ by 1% or less in most occupations. As would expect, the distributions do significantly differ by sex.

Business and Commerce is the clear favorite of men (15-21%) in all types of private colleges; it and Engineering are co-favorites (14-18% and 10-15% respectively) in the public colleges. Agriculture and Trades are the next most popular in public 2-year colleges. In the other public colleges, Health and Social Science are third in order of educational preference among students.

Agriculture is the second most popular choice (11%) among men in private 2-year colleges; Education, Engineering,

Health and Social Sciences are second place (10-15%) in the 4-year, master's level, and PhD level private colleges. Trades are not a frequent choice among men in any of the private schools.

Health is the most preferred educational major (22-28%) among women in all types of colleges, except public master's level schools, where it is second. Business and Commerce, and Education are also popular among women (9-24%) in all types of colleges. In private master's level and PhD level colleges Social Science is chosen by about 10% of the women. No other occupation is chosen as often and consistently as these four.

Educational Degree Aspirations

The degree level sought most often by students in both public and private colleges of all types is the bachelor's degree (44% overall). The next most popular tends to be the highest degree level offered by the school in which the student is enrolled. There are not any radical differences between the degree aspirations of students in public and private colleges.

Men tend to have higher aspirations than do women: 12% of all men aspire to a 2-year degree or lower, compared to 20% of all women; but 42% of all men plan a master's degree or higher, compared to 28% of all women.

Importance of Factors Affecting College Choice

By far, most students (49%) rate their field of study as the most important factor affecting their choice of a college. It is rated "most important" most frequently by students in all eight types of colleges.

Another important factor is "tuition and cost"; it is rated "most important" by 16% of the overall group and "second in importance" by 30%. This factor tends to concern public school students somewhat more than private school students, and 2-year college students more than others.

"Location (State or Region)" is rated "most important" by 17% of the overall group and "second in importance" by 24%. This factor also is more important to public than private school students, and to 2-year college students than others.

A somewhat less important factor than the above three is "type of institution." About 12% rate it "most important" and 19% "second in importance." The other factors—student body composition, size of enrollment, and other activities—are consistently rated low in importance.

Financial Aid Considerations

A smaller proportion of students in public 2-year colleges (47%) expect to apply for financial aid than students enrolled in other public colleges or in private 2-year or PhD level colleges (57%). About 67% of the students in private 4-year and master's level colleges expect to apply for financial aid. Overall, somewhat more women (58%) than men expect to apply.

From 51-58% of students in all eight types of colleges expect to work while in college and would like help in finding employment. Overall, about 28% do not expect to work; 19% expect to work from 1-10 hours per week, 29%, 11-20 hours, and 15%, 21 hours or more. A total of 10% of the students did not respond to the item. In general, men expect to work longer hours than women, and students in public 2-year colleges expect to work longer hours than students in the other types of colleges.

Students in private colleges have somewhat larger family incomes than students in public colleges. Students in colleges granting the master's or PhD degree tend to have larger family incomes than students in 2-year and 4-year colleges. About 20% overall refused to disclose their family incomes.

Consistently across the eight types of colleges, about 18% of the students have no brothers and sisters under 21 years of age, 25% have one such brother or sister, 21% have two, 13% have three, and 16% have more than three.

Needs for Special Programs and Services

From 1-2% of all students have a permanent physical handicap which may require special services. This figure does not vary much either by sex or college type.

About 49% of all students feel they need special assistance in mathematics. Somewhat more women (53%) than men (45%) express this need; somewhat fewer students in PhD level colleges (41%) than other students (48-58%). Frequently cited needs are help in making educational and vocational decisions (44%) and improving study skills (39%).

Racial-Ethnic Background

Overall, about 67% of the ACT enrolled Class Profile student population identi-

fied themselves as Caucasian American, 6% as Afro-American, 3% as Puerto Rican/Spanish-speaking American, or Mexican American/Chicano, 2% as American Indian/Eskimo, and 1% as Oriental American. About 8% refused to disclose their racial-ethnic background and 13% omitted the item.

In general, the proportion of Caucasians increases with the degree level offered by the college (60-65% for 2-year colleges versus 67-72% for PhD level colleges). Also there tends to be a somewhat larger proportion of Caucasians in private than in public schools.

TABLE 3.1

Distribution of Planned Educational Major and First Vocational Choice
(In Percentages)

	Public 2-Year						Public 4-Year					
	MEN		WOMEN		TOTAL		MEN		WOMEN		TOTAL	
	Ed. Maj.	1st Voc.	Ed. Maj.	1st Voc.	Ed. Maj.	1st Voc.	Ed. Maj.	1st Voc.	Ed. Maj.	1st Voc.	Ed. Maj.	1st Voc.
Agric., Forestry, etc.	10	10	2	2	5	6	9	10	2	2	5	6
Architecture	3	3	1	1	2	2	2	2	0	0	1	1
Biological Sciences	2	1	2	1	2	1	4	2	3	2	3	2
Business & Commerce	16	15	21	21	19	18	14	14	16	18	15	16
Communications	3	3	1	2	2	2	2	2	2	2	2	2
Computer & Info Sci	3	3	2	3	3	3	3	3	2	2	3	3
Education	7	5	14	14	11	10	9	8	22	22	16	15
Engineering	11	10	0	0	5	5	14	13	1	0	7	6
Fine & Applied Arts	4	4	5	4	4	4	4	4	7	5	6	4
Foreign Languages	0	0	0	0	0	0	0	0	1	0	0	0
Health Professions	3	8	28	30	19	20	8	9	23	24	16	16
Home Economics	0	0	2	3	1	1	0	0	2	2	1	1
Letters (Humanities)	1	1	1	1	1	1	1	1	1	1	1	1
Mathematics	1	0	1	0	1	0	1	0	1	0	1	0
Physical Science	1	1	0	0	1	1	4	3	0	0	2	2
Community Service	6	6	5	5	5	6	4	5	3	4	4	4
Social Sciences	4	4	5	4	5	4	7	7	7	6	7	6
Trade, Indust., Tech.	10	13	0	1	5	6	4	7	0	0	2	4
General Studies	1	0	2	0	1	0	1	0	1	0	1	0
Undecided	8	11	7	8	8	9	8	10	7	9	8	10
Sample Size	4,162		4,868		9,050		1,231		1,246		2,477	

	Private 2-Year						Private 4-Year					
	MEN		WOMEN		TOTAL		MEN		WOMEN		TOTAL	
	Ed. Maj.	1st Voc.	Ed. Maj.	1st Voc.	Ed. Maj.	1st Voc.	Ed. Maj.	1st Voc.	Ed. Maj.	1st Voc.	Ed. Maj.	1st Voc.
Agric., Forestry, etc.	11	12	1	1	6	6	4	5	1	1	2	3
Architecture	1	2	1	1	1	1	1	1	1	1	1	1
Biological Sciences	3	1	1	1	2	1	4	2	3	2	3	2
Business & Commerce	21	19	21	21	21	20	17	16	13	13	15	14
Communications	2	2	1	1	2	2	2	3	1	2	2	2
Computer & Info Sci	2	2	1	0	1	1	3	3	1	1	2	2
Education	7	7	16	17	12	13	10	9	19	20	15	16
Engineering	8	8	0	0	4	4	7	7	0	0	3	3
Fine & Applied Arts	3	3	5	4	4	4	6	5	7	6	7	6
Foreign Languages	0	0	0	0	0	0	1	0	1	1	1	0
Health Professions	9	10	23	23	16	17	10	11	23	25	17	19
Home Economics	0	0	5	5	3	3	0	0	2	2	1	1
Letters (Humanities)	3	3	2	2	2	3	7	7	3	3	5	5
Mathematics	1	0	1	0	1	0	2	1	1	1	1	1
Physical Science	2	1	1	1	1	1	3	2	1	1	2	1
Community Service	6	7	5	6	5	7	1	2	4	5	3	4
Social Sciences	6	5	5	4	6	4	9	8	8	8	8	8
Trade, Indust., Tech.	6	8	0	1	3	4	5	0	0	2	3	3
General Studies	1	0	2	0	2	0	1	0	3	0	1	0
Undecided	9	10	8	10	8	10	8	12	9	7	10	10
Sample Size	713		884		1,597		1,592		2,094		3,886	

TABLE 3.1 (Continued)

Public Master's						Public PhD					
MEN		WOMEN		TOTAL		MEN		WOMEN		TOTAL	
Ed.	1st	Ed.	1st	Ed.	1st	Ed.	1st	Ed.	1st	Ed.	1st
Maj.	Voc.	Maj.	Voc.	Maj.	Voc.	Maj.	Voc.	Maj.	Voc.	Maj.	Voc.
9	8	1	1	5	5	8	8	2	2	5	5
2	2	1	1	2	2	4	4	2	2	3	3
3	2	3	2	3	2	4	2	4	3	4	2
18	16	14	14	16	15	14	13	10	10	12	12
3	4	2	2	3	3	3	3	3	3	3	3
3	3	1	2	2	2	2	1	1	2	2	2
9	9	24	25	17	18	5	4	16	17	11	11
10	10	0	0	5	5	15	14	1	1	8	8
5	5	7	6	6	5	4	4	8	7	6	6
0	0	1	1	1	0	0	0	1	1	1	0
9	9	18	19	14	15	13	14	23	25	18	19
0	0	3	3	2	2	0	0	4	4	2	2
1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1	1	1	1
2	2	1	1	1	1	3	3	1	1	2	2
3	4	4	5	3	4	2	3	3	4	2	3
8	8	8	7	8	7	10	9	9	8	9	9
3	5	0	0	1	2	2	4	0	0	1	2
1	0	1	0	1	0	1	0	2	0	1	0
9	12	7	9	8	10	6	10	7	9	7	10
3,609		4,306		7,915		6,354		6,188		12,542	

Public and Private Overall					
MEN		WOMEN		TOTAL	
Ed.	1st	Ed.	1st	Ed.	1st
Maj.	Voc.	Maj.	Voc.	Maj.	Voc.
8	8	2	2	5	5
3	3	1	1	2	2
3	2	3	2	3	2
16	15	14	15	15	15
3	3	2	2	2	3
2	3	2	2	2	2
7	6	18	19	13	13
12	11	1	1	6	6
5	4	7	6	6	5
0	0	1	1	1	0
10	11	24	26	18	19
0	0	3	3	2	2
2	2	1	1	2	1
1	1	1	0	1	1
2	2	1	1	2	1
3	4	4	4	3	4
8	7	8	7	8	7
5	6	0	0	2	3
1	0	2	0	1	0
8	11	7	9	7	10
19,463		21,612		41,275	

Private Master's						Private PhD					
MEN		WOMEN		TOTAL		MEN		WOMEN		TOTAL	
Ed.	1st	Ed.	1st	Ed.	1st	Ed.	1st	Ed.	1st	Ed.	1st
Maj.	Voc.	Maj.	Voc.	Maj.	Voc.	Maj.	Voc.	Maj.	Voc.	Maj.	Voc.
2	3	0	0	1	2	4	4	1	1	2	2
2	2	1	2	2	2	2	2	1	1	2	2
4	2	3	2	3	2	5	2	4	2	4	2
15	13	9	10	12	12	16	14	10	11	13	13
2	2	2	3	2	2	3	3	3	2	3	3
2	2	2	2	2	2	1	2	1	1	1	1
6	7	20	21	13	14	5	5	17	17	12	12
10	10	1	1	5	5	13	12	1	1	7	6
6	5	9	8	8	6	5	4	8	7	7	6
0	0	2	1	1	1	1	0	2	1	1	1
13	17	22	22	18	20	15	19	25	28	21	23
0	0	2	2	1	1	0	0	4	4	2	2
5	4	3	2	4	3	2	1	2	2	2	1
2	1	1	1	2	1	1	1	1	1	1	1
3	2	1	1	2	1	3	3	1	0	2	2
6	6	4	6	5	6	1	3	2	3	1	3
12	11	10	9	11	10	12	11	11	9	11	10
1	3	0	0	1	1	2	3	0	0	1	1
1	0	1	0	1	0	1	0	2	0	2	0
8	12	8	9	8	11	7	10	5	10	6	10
699		753		1,452		792		869		1,661	



TABLE 3.2
Distribution of Educational Degree Aspirations
(In Percentages)

	Public 2-Year			Public 4-Year			Public Master's			Public PhD		
	M	W	T	M	W	T	M	W	T	M	W	T
Voc. or tech. program (less than 2 years)	5	7	6	2	3	3	1	2	1	1	1	1
2-year college degree	26	38	32	11	19	15	5	11	8	3	8	5
Bachelor's degree	40	32	36	44	47	46	51	52	52	41	50	45
1 or 2 years of grad. study (MA, MBA, etc.)	11	10	10	14	13	14	18	16	17	22	20	21
Professional level degree (PhD, MD, LLB, JD, etc.)	14	8	10	23	11	17	21	13	17	30	17	24
Other	5	5	5	5	7	6	4	6	5	3	5	4
Sample Size	4,126	4,842	8,968	1,216	1,234	2,450	3,579	4,245	7,824	6,307	6,146	12,453

TABLE 3.2 (Continued)

Private 2-Year			Private 4-Year			Private Master's			Private PhD			Public and Private Overall		
M	W	T	M	W	T	M	W	T	M	W	T	M	W	T
4	9	7	2	2	2	1	2	1	1	1	1	2	3	3
22	34	29	7	11	9	2	8	5	2	8	5	10	17	14
39	36	38	43	52	48	39	49	44	32	48	40	42	46	44
11	7	9	19	17	18	23	21	22	23	21	22	18	15	17
17	7	12	23	13	17	32	17	24	40	18	28	24	13	18
6	7	6	6	5	6	4	4	4	2	3	2	4	5	5
717	880	1,597	1,578	2,068	3,646	700	746	1,446	789	863	1,652	19,324	21,599	40,923

TABLE 3.3

Distribution of Importance of Factors Affecting College Choice
(In Percentages)

	Public 2-Year			Public 4-Year			Public Master's			Public PhD		
	M	W	T	M	W	T	M	W	T	M	W	T
Type of Institution												
Most important	13	11	12	12	12	12	12	11	11	10	10	10
2nd in importance	17	17	17	19	17	18	18	18	18	20	18	19
3rd in importance	21	21	21	20	22	21	22	20	21	22	21	21
4th-6th in importance	46	49	48	45	47	46	46	48	47	45	48	47
Least (7th) important	3	2	2	4	3	3	3	3	3	3	3	3
Sample Size	3,046	3,668	6,714	952	947	1,899	2,786	3,426	6,212	5,140	5,066	10,206
Student-Body Composition												
Most important	2	2	2	3	1	2	2	2	2	2	2	2
2nd in importance	5	5	5	6	5	5	7	6	6	6	6	6
3rd in importance	10	10	10	9	11	10	11	10	10	11	11	11
4th-6th in importance	72	75	74	72	74	73	72	74	73	72	73	73
Least (7th) important	11	9	10	10	9	9	9	8	8	9	7	8
Sample Size	2,935	3,508	6,443	912	911	1,823	2,719	3,317	6,036	5,016	4,927	9,943
Location (State or Region)												
Most important	23	21	21	21	24	22	19	19	19	14	17	15
2nd in importance	25	26	26	23	25	24	23	22	23	25	24	24
3rd in importance	25	27	26	25	22	24	25	26	25	26	27	27
4th-6th in importance	25	24	25	29	29	29	31	31	31	33	31	32
Least (7th) important	1	1	1	2	1	2	2	2	2	2	2	2
Sample Size	3,110	3,738	6,848	952	968	1,920	2,816	3,480	6,296	5,196	5,115	10,311
Tuition, cost												
Most important	19	20	20	17	18	18	17	18	17	15	15	15
2nd in importance	31	33	32	30	34	32	30	32	31	29	32	30
3rd in importance	22	22	22	23	22	22	21	21	21	22	22	22
4th-6th in importance	28	24	26	27	25	26	29	27	28	35	29	31
Least (7th) important	1	1	1	2	1	2	2	2	2	3	2	2
Sample Size	3,074	3,716	6,790	954	966	1,920	2,802	3,449	6,251	5,138	5,109	10,247
Size of Enrollment												
Most important	1	1	1	1	2	2	2	1	1	1	1	1
2nd in importance	4	3	3	6	4	5	4	5	5	3	3	3
3rd in importance	8	6	7	7	9	8	8	9	8	6	7	7
4th-6th in importance	78	82	80	76	79	77	77	77	77	77	78	78
Least (7th) important	9	8	9	9	7	8	10	8	9	13	11	12
Sample Size	2,885	3,470	6,355	904	904	1,808	2,674	3,298	5,972	4,936	4,845	9,781
Field of Study												
Most important	43	46	45	43	44	43	47	49	48	57	54	55
2nd in importance	17	16	17	16	16	16	17	18	16	17	17	17
3rd in importance	14	14	14	14	14	14	13	13	13	10	12	11
4th-6th in importance	24	23	23	25	26	25	23	24	22	15	18	16
Least (7th) important	1	1	1	2	0	1	1	1	1	1	1	1
Sample Size	3,035	3,665	6,700	949	948	1,897	2,789	3,438	6,227	5,190	5,114	10,304
Other Activities												
Most important	4	3	4	7	3	5	5	4	5	6	4	5
2nd in importance	5	2	2	3	2	3	3	2	3	3	3	3
3rd in importance	3	2	2	3	3	3	3	3	3	4	3	3
4th-6th in importance	19	14	17	15	12	14	14	12	13	15	12	14
Least (7th) important	71	79	75	72	80	76	72	80	77	72	78	75
Sample Size	2,190	2,427	4,617	692	655	1,347	1,929	2,271	4,200	3,200	3,006	6,206

TABLE 3.3 (Continued)

Private 2-Year			Private 4-Year			Private Master's			Private PhD			Public and Private Overall		
M	W	T	M	W	T	M	W	T	M	W	T	M	W	T
19	18	18	17	16	16	21	20	20	18	22	20	13	12	12
19	18	18	19	20	20	19	21	20	20	21	21	19	18	19
19	18	19	18	20	19	17	16	16	20	18	19	21	20	21
40	43	42	42	41	42	38	40	39	38	37	37	44	47	46
3	4	4	4	3	3	5	4	5	3	3	3	3	3	3
500	663	1,163	1,234	1,713	2,947	534	605	1,139	624	657	1,281	15,075	17,206	32,281
2	2	2	2	2	2	1	2	2	1	3	2	2	2	2
8	6	7	6	5	6	5	7	6	6	9	7	6	6	6
11	11	11	10	10	10	10	14	12	12	13	12	11	10	10
67	68	68	69	72	71	74	68	70	71	66	68	72	73	72
12	12	12	14	11	12	9	10	10	10	9	10	10	8	9
476	632	1,108	1,181	1,666	2,847	517	585	1,102	605	625	1,230	14,610	16,607	31,217
17	17	17	9	11	10	9	11	10	8	11	9	16	17	17
23	22	22	21	21	21	21	19	20	21	20	21	24	24	24
22	25	24	25	24	24	25	27	26	25	24	25	25	26	26
35	34	34	40	41	41	41	41	41	42	40	41	32	31	32
3	2	2	5	4	4	5	2	3	4	4	4	2	2	2
493	667	1,160	1,227	1,711	2,938	537	604	1,141	621	642	1,263	15,218	17,394	32,612
15	16	16	15	13	14	13	13	13	12	9	10	16	17	16
29	30	30	25	28	27	26	27	27	27	25	26	29	31	30
24	22	23	22	21	22	23	20	21	22	21	22	22	22	22
30	29	29	35	36	35	33	35	34	35	41	38	31	29	30
2	3	2	3	2	3	5	5	5	4	4	4	2	2	2
479	663	1,142	1,210	1,703	2,913	524	598	1,122	615	643	1,258	15,058	17,311	32,369
1	2	2	2	3	2	3	3	3	1	1	1	1	1	1
6	8	7	7	7	7	7	7	7	4	3	4	4	4	4
11	9	9	13	13	13	12	11	11	7	9	8	8	8	8
72	74	73	69	69	69	69	71	70	72	69	71	76	77	77
10	8	9	9	8	9	10	7	9	15	18	17	11	9	10
469	640	1,109	1,183	1,669	2,852	518	590	1,108	596	614	1,210	14,417	16,467	30,884
42	35	39	49	50	50	49	45	47	55	41	48	50	49	49
15	16	16	18	18	18	20	18	19	18	21	19	17	17	17
13	15	14	10	11	11	11	13	12	10	13	12	12	13	12
28	30	29	21	19	20	19	22	21	16	23	19	20	21	20
1	2	2	1	2	1	2	1	2	2	2	2	1	1	1
489	648	1,137	1,229	1,718	2,947	527	608	1,135	630	645	1,275	15,107	17,251	32,358
11	16	14	12	12	12	12	14	13	12	26	19	7	6	7
4	3	3	5	4	5	5	4	5	8	5	6	4	3	3
4	2	3	4	3	3	4	3	3	4	4	4	3	2	3
15	12	13	14	12	13	15	11	13	13	7	10	16	12	14
66	68	67	65	69	67	64	68	66	64	58	61	71	76	74
358	467	825	828	1,153	1,981	354	377	731	366	398	764	10,119	11,067	21,186

TABLE 3.4

Distribution of Financial Aid Considerations
(In Percentages)

	Public 2-Year			Public 4-Year			Public Master's			Public PhD		
	M	W	T	M	W	T	M	W	T	M	W	T
Expects to apply for financial aid	45	49	47	54	61	57	53	59	56	55	57	56
Expects to work while in college and would like help finding employment	51	50	51	52	58	55	56	54	55	54	50	52
Hours per week expects to work during first year of college:												
None	14	21	18	24	28	26	27	34	31	32	39	35
1-10	13	18	15	15	21	18	17	22	19	17	21	19
11-20	28	30	29	30	30	30	31	28	29	30	27	29
21-30	17	12	14	13	10	12	12	7	9	12	6	9
31 or more	9	4	6	5	4	5	4	3	3	3	1	2
No response	19	15	17	12	8	10	10	7	8	7	6	6
Estimate total family income before taxes:												
Less than 3,000	3	5	4	4	6	5	3	5	4	2	2	2
3,000-5,999	6	7	7	7	10	9	6	8	7	4	4	4
6,000-7,499	5	5	5	6	6	6	4	5	5	4	4	4
7,500-8,999	5	5	5	5	7	6	6	6	6	5	4	5
9,000-11,999	12	13	12	15	14	14	12	12	12	12	11	12
12,000-14,999	13	12	12	14	11	13	14	13	13	14	12	13
15,000-19,999	9	9	9	10	10	10	12	10	11	13	12	12
20,000 and over	9	7	8	10	7	8	14	12	13	20	18	19
Consider info. confidential	18	20	19	17	19	18	17	21	19	19	24	22
No response	20	17	19	13	10	12	11	9	10	8	8	8
Number of brothers and sisters under 21 years of age:												
None	20	20	20	18	18	18	19	19	19	17	18	18
One	22	22	22	23	24	24	26	26	26	27	27	27
Two	18	18	18	20	21	21	21	21	21	22	22	22
Three	11	12	11	14	12	13	13	14	14	14	15	14
Four	5	7	6	7	8	8	6	7	7	8	7	7
Five	3	4	3	3	5	4	4	4	4	3	3	3
Six	2	2	2	3	2	2	2	2	2	1	2	2
Seven	1	1	1	1	2	1	1	1	1	1	1	1
Eight	0	0	0	1	1	1	0	1	0	0	0	0
Nine or more	1	1	1	1	1	1	1	0	1	0	0	0
No response	17	14	16	11	6	9	8	5	7	6	4	5
Sample Size	5,046	5,665	10,711	1,396	1,347	2,743	3,931	4,560	8,491	6,755	6,478	13,233

TABLE 3.4 (Continued)

Private 2-Year			Private 4-Year			Private Master's			Private PhD			Public and Private Overall		
M	W	T	M	W	T	M	W	T	M	W	T	M	W	T
52	61	57	65	69	67	66	68	67	58	56	57	53	58	56
58	58	58	59	57	58	60	55	57	51	51	51	54	52	53
19	28	24	25	32	29	28	35	32	30	37	34	25	31	28
20	22	21	20	26	23	20	24	22	16	23	19	16	21	19
29	29	29	30	26	28	32	29	30	29	25	27	30	28	29
12	9	10	11	7	9	11	6	8	12	6	9	13	8	11
11	5	8	4	2	3	3	2	2	4	3	3	5	3	4
9	8	8	11	7	9	6	4	5	9	6	8	11	9	10
5	7	6	3	6	5	3	3	3	2	4	3	3	4	3
6	11	9	8	6	7	6	6	6	4	6	5	6	7	6
4	6	5	5	4	4	6	4	5	3	5	4	4	5	5
6	8	7	7	6	7	6	6	6	5	4	5	5	5	5
15	12	13	13	13	13	12	13	12	11	11	11	13	12	12
15	12	14	14	12	13	13	12	12	14	13	14	14	12	13
11	9	10	10	12	11	11	14	13	12	11	11	11	10	11
8	9	8	12	12	12	16	15	16	19	15	17	14	12	13
18	16	17	15	20	18	19	24	21	21	23	22	18	21	20
10	11	11	12	10	11	6	6	6	9	9	9	12	11	12
23	18	20	16	17	17	19	16	17	15	18	17	18	18	18
22	18	20	23	23	23	25	26	26	25	26	25	25	24	25
20	21	21	22	22	22	23	25	24	22	18	20	21	21	21
12	15	13	13	13	13	14	14	14	15	14	14	13	14	13
7	10	9	9	8	9	7	9	8	7	9	8	7	7	7
3	5	4	3	5	4	3	4	4	4	5	5	3	4	4
2	2	2	2	2	2	3	2	3	2	3	2	2	2	2
1	1	1	1	1	1	1	1	1	1	1	1	0	1	1
1	1	1	1	1	1	0	0	0	0	1	1	1	1	1
8	7	7	10	6	8	4	3	3	7	4	6	10	7	9
770	952	1,722	1,774	2,233	4,007	729	775	1,504	856	914	1,770	21,631	23,591	45,222

TABLE 3.5

Distribution of Needs for Special Programs and Services
(In Percentages)

	Public 2-Year			Public 4-Year			Public Master's			Public PhD		
	M	W	T	M	W	T	M	W	T	M	W	T
Has permanent physical handicap or disability which may require special services or provisions in college:	2	1	1	2	1	1	1	1	1	1	1	1
Needs special assistance with:												
Educ. & voc. decisions	42	39	40	46	42	44	46	48	47	45	48	46
Expressing ideas in writing	27	31	29	27	31	29	29	33	31	25	28	27
Reading speed & comprehension	38	33	35	37	35	36	38	35	36	36	34	35
Improving study skills	43	37	40	41	40	41	45	38	41	39	34	37
Improving mathematical skills	50	54	52	47	57	52	48	56	53	39	48	43
Personal counseling	36	32	34	35	35	35	37	36	36	35	34	34
Interested in the following programs:												
Independent study	31	35	33	41	41	41	39	40	40	45	43	44
Freshman honors courses	12	14	13	22	22	22	18	21	20	26	25	25
Study in a foreign country	13	21	17	19	22	23	18	29	24	21	35	28
Advanced placement in:												
English	11	21	16	18	23	23	16	28	23	20	30	25
Mathematics	16	11	13	24	15	20	21	14	17	27	16	22
Social studies	18	15	17	26	21	24	27	22	24	28	23	25
Natural sciences	17	13	15	25	16	20	22	15	18	29	17	23
French	2	4	3	4	6	5	3	6	5	3	8	5
German	2	3	3	4	3	3	3	3	3	4	4	4
Spanish	5	8	6	6	10	8	5	8	7	6	10	8
Other Languages	3	3	3	4	4	4	4	3	3	3	3	3
Would like to receive credit by examination in:												
English	23	34	29	34	46	40	33	46	40	38	48	43
Mathematics	22	16	19	33	21	27	30	22	26	39	26	32
Social studies	27	20	24	39	28	34	37	29	33	41	31	36
Natural sciences	23	15	18	33	21	27	30	20	25	36	23	29
Interested in participating in ROTC, NROTC, AFROTC, etc.	9	4	7	16	6	11	13	6	9	15	5	10
Sample Size	5,046	5,665	10,711	1,396	1,347	2,743	3,931	4,560	8,491	6,755	6,478	13,233

TABLE 3.5 (Continued)

Private 2-Year			Private 4-Year			Private Master's			Private PhD			Public and Private Overall		
M	W	T	M	W	T	M	W	T	M	W	T	M	W	T
2	1	1	2	1	1	1	0	1	1	0	1	1	1	1
42	43	43	46	45	45	48	45	47	40	46	43	44	44	44
32	37	35	28	31	29	28	31	29	24	32	28	27	31	29
43	40	42	38	35	36	41	36	39	36	37	37	37	34	36
51	48	49	43	37	39	41	37	40	36	35	36	42	37	39
53	62	58	45	52	49	44	52	48	35	50	43	45	53	49
36	36	36	35	34	34	40	36	38	34	41	38	36	34	35
38	37	37	42	44	43	51	46	48	46	42	44	40	40	40
17	19	18	24	24	24	31	31	31	32	30	31	21	21	21
17	24	21	23	34	29	25	38	32	23	34	28	19	29	24
14	24	19	19	29	25	24	38	31	24	33	29	17	27	22
20	13	16	21	14	17	30	17	23	30	17	23	23	14	18
23	19	20	26	22	24	30	26	28	27	22	24	25	20	23
21	15	18	21	14	17	29	17	23	30	16	22	24	15	19
3	5	4	4	7	6	6	9	8	4	6	5	3	6	5
5	4	4	4	4	4	4	6	5	4	4	4	3	4	3
6	8	7	6	10	8	10	13	11	10	12	11	6	9	7
5	3	4	3	3	3	5	4	4	5	4	5	3	3	3
27	39	34	34	45	40	37	54	46	41	47	44	33	43	38
24	19	21	28	22	25	37	28	33	40	24	32	31	22	26
32	23	27	37	28	32	40	34	37	38	28	33	36	27	31
24	18	21	28	20	24	34	22	28	38	22	30	30	20	25
9	4	6	9	6	7	13	5	9	12	5	8	12	5	9
770	952	1,722	1,774	2,233	4,007	729	775	1,504	856	914	1,770	21,631	23,591	45,222

TABLE 3.6
Distribution of Racial-Ethnic Background
(In Percentages)

	Public 2-Year			Public 4-Year			Public Master's			Public PhD		
	M	W	T	M	W	T	M	W	T	M	W	T
Afro-American	3	5	4	7	10	8	7	9	8	4	6	5
American Indian/Eskimo	2	2	2	1	2	1	2	2	2	1	1	1
Caucasian American	59	60	60	64	65	64	67	68	68	72	71	72
Mexican American	4	4	4	3	4	3	1	2	1	2	1	1
Oriental American	0	1	1	0	0	0	0	1	0	1	1	1
Puerto Rican or Spanish-speaking American	0	0	0	0	0	0	0	0	0	0	0	0
Other	3	3	3	3	2	2	2	2	2	2	3	2
Prefer not to respond	9	7	8	8	7	7	7	7	7	8	8	8
Not given	21	17	19	15	9	12	12	9	11	10	8	9
Sample Size	5,046	5,665	10,711	1,398	1,347	2,743	3,931	4,560	8,491	6,755	8,478	13,233

TABLE 3.6 (Continued)

Private 2-Year			Private 4-Year			Private Master's			Private PhD			Public and Private Overall		
M	W	T	M	W	T	M	W	T	M	W	T	M	W	T
8	11	9	7	9	8	5	8	6	2	6	4	5	7	6
2	1	2	1	1	1	1	1	1	1	1	1	1	2	2
64	67	65	66	70	68	69	68	68	69	66	67	66	67	67
2	1	2	0	0	0	3	3	3	1	1	1	2	2	2
0	0	0	0	0	0	1	0	0	0	1	1	0	1	1
0	0	0	0	0	0	2	2	2	2	4	3	0	1	1
2	2	2	2	3	3	2	3	2	4	4	4	2	3	3
7	7	7	7	6	7	9	8	8	8	9	8	8	7	8
14	11	12	15	10	12	10	6	8	12	9	10	14	11	13
770	952	1,722	1,774	2,233	4,007	729	775	1,504	858	914	1,770	21,631	23,591	45,222

Appendix A

GLOSSARY

Average (Mean): The arithmetic sum of a set of figures, divided by the number of figures added. For example, the high school average is the sum of the four high school grades divided by four.

Confidence Interval: A type of interval estimate of some unknown quantity. An interval whose endpoints can be computed from sample data is called a "p" confidence interval if in repeated sampling, the proportion of such intervals containing the unknown quantity is "p." In many situations, a two-thirds confidence interval is the range from one standard error below the estimate to one standard error above.

Percentage: A proportion (fraction) of a group expressed in hundredths. Thus, 51% means the same thing as $51/100$.

Percentile Rank: A number used to describe the standing of an individual relative to a defined group. The percentile rank of a given score is the percentage of individuals in the reference group who rank below that score. The range of percentiles is from 1 to 99, a percentile rank of one being at the bottom of the group and of 99 being at the top of the group.

Raw Score: The number of test items answered correctly.

Standard Deviation (SD): A quantity which measures the amount of variability present in a specified group. On a given scale, a small standard deviation indicates less variability in the group than a large standard deviation. In many situations, about 67% of a population is included in the range from one standard deviation below the mean (see above) to one standard deviation above the mean. The standard deviation of ACT mathematics test scores is about 7.6 standard score units nationally for freshman males and about 7.5 for freshman females.

Standard Error (of a survey estimate): A quantity which measures the precision of a survey estimate. On a given scale, a small standard error indicates greater precision (less variability) in the estimate than a large standard error. The standard error of an estimate is equal to the standard deviation of the set of estimates that could be computed from all possible samples of a given design. It is possible to estimate the standard error from the data on which the estimate itself is based. Estimated standard errors can be used to construct confidence intervals (see above).

Standard Score: A test score derived from the raw scores ~~(see above)~~. One use of a standard score is to compare scores on different tests. For example, a

standard score of 20 indicates the same relative standing on any of the ACT tests.

Appendix B

1974-75

In response to many inquiries about the information requested on the ACT Interest Inventory and Student Profile Section (SPS), we have prepared this reprint of the two as they appear in *Taking the ACT Assessment*, the student registration handbook for 1974-75.

Most of the SPS items ask for the kind of information about students which students and colleges need for effective planning. Results from the 90-item ACT Interest Inventory help students make educational and career plans.

Instructions supplied on the four-page registration folder tell students that:

Your responses will help present a broader picture of you than that provided by test scores and grades alone. In turn, the college you attend will be better able to help you in matters of advising, counseling, admissions, and educational planning.

The ACT

Interest

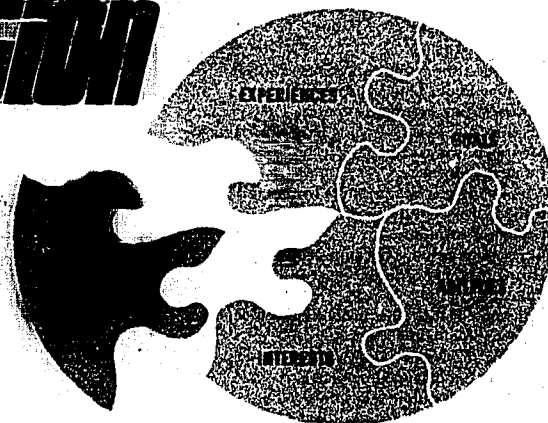
Inventory

and

Student

Profile

Section



THE ACT INTEREST INVENTORY

The ACT Interest Inventory is designed to help you with your educational and career planning. Your responses to these 90 job-related activities are used to indicate in which of six major interest areas your interests are highest and to compare your pattern of scores with the scores of college seniors in various educational majors (programs of study). Using a "World of Work Map," your scores will also be compared with those of people in many different careers. Your interest inventory results should help you consider and explore many different educational and career areas.

Directions: This section is designed to measure your vocational interests in six major career areas. Please indicate how

much you would like doing each of the activities listed. Try to mark an activity even if you are uncertain as to how you feel about it. Use the scale shown below to mark your answers on page 2 of the Registration Folder.

I would dislike this very much D ⁶
I would dislike this a little 5
I am indifferent or don't know much about it 4
I would like this fairly well 3
I would like this very much L ⁶

1. Studying physics
2. Sketching and drawing
3. Studying sociology
4. Selling appliances
5. Making out income-tax returns
6. Doing mechanical drawings
7. Studying calculus
8. Acting in plays
9. Teaching children
10. Selling clothing in a store
11. Keeping records for a store
12. Operating a power tool
13. Studying chemistry
14. Reading or writing poetry
15. Helping friends with their problems
16. Selling insurance
17. Bookkeeping
18. Repairing an automobile
19. Working in a science laboratory
20. Singing in public
21. Teaching in high school
22. Campaigning for a political office
23. Looking for errors in the draft of a report
24. Riveting sheet metal
25. Learning about nuclear particles
26. Writing for a newspaper
27. Being a counselor
28. Conducting business by phone
29. Typing reports
30. Catching or breeding fish commercially
31. Learning about blood chemistry
32. Listening to a symphony concert
33. Reading school assignments to a blind student
34. Making business trips
35. Filing documents
36. Assembling mechanical units for aircraft
37. Conducting scientific experiments
38. Designing fashions
39. Supervising a summer camp program for children
40. Hiring persons for jobs
41. Taking dictation
42. Constructing a cabinet according to blueprints
43. Studying biological sciences
44. Reading magazines about art and music
45. Assisting handicapped persons
46. Working as a public relations person
47. Setting up a bookkeeping system
48. Operating electrical, mechanical, or computer equipment
49. Studying the effects of vitamins on animals
50. Drawing cartoons
51. Working for the Red Cross
52. Directing a sales staff for a large company
53. Finding errors in a financial account
54. Grinding lenses for binoculars or eyeglasses
55. Doing bacterial research
56. Writing short stories
57. Helping the poor
58. Interviewing people for a job
59. Making charts and graphs
60. Working as a hunting or fishing guide
61. Studying plant microorganisms
62. Reading about the writing style of modern novelists
63. Being a social worker
64. Working as a personnel director for a business
65. Keeping expense-account records
66. Making dental plates, inlays, and bridgework
67. Investigating the effect of new tranquilizers on mental illness
68. Working as a professional dancer
69. Working with youth groups
70. Demonstrating a new product in a store
71. Handling deposits and withdrawals in a bank
72. Engraving lettering or designs on printing plates
73. Investigating the psychological characteristics of creative thinkers
74. Composing or arranging musical scores
75. Helping new students get acquainted at school
76. Managing a sales campaign
77. Working as an accountant
78. Working on a road-survey crew
79. Experimenting with solar energy as a power source
80. Preparing drawings to illustrate magazine stories
81. Working with drug addicts
82. Making travel arrangements for people
83. Working as a mathematician
84. Repairing electronic equipment
85. Working on a new mathematical theory
86. Working as a free-lance artist
87. Taking care of babies or very small children
88. Promoting publicity for individuals or organizations
89. Operating computer equipment
90. Installing telephones

1974-75 ACT STUDENT PROFILE SECTION
PART I

The Student Profile Section (SPS) is designed to help you think about your educational future and to provide information to colleges for their educational planning.

Mark your responses on pages of the Registration Folder. It is important that you respond to every question. However, if you do not wish to answer a question, you may skip that question. Mark only one answer to each question.

Use the responses below to answer all the items in this group.
Yes applies to me Y
No, does not apply to me N

6. I am a United States citizen.
7. I am a legal resident of the state I recorded on my Registration Folder.
8. I have a physical handicap or disability that may require special services or provisions from the college I attend.
9. I have served or am currently serving on active duty with the military forces.
10. I have previously earned college credit.

ADMISSIONS ENROLLMENT INFORMATION

1. I plan to enroll as a
 - full-time student 1
 - part-time student 2
2. I plan to attend classes primarily during the
 - day 1
 - evening 2
3. I plan to enter college in
 - January/February 1975 0
 - March/April 1975 1
 - May/June/July 1975 2
 - August/September/October 1975 3
 - November/December 1975 4
 - January/February 1976 5
 - March/April 1976 6
 - May/June/July 1976 7
 - August/September/October 1976 8
 - I am currently enrolled in college 9
4. Upon entering college, I plan to live in
 - residence hall 1
 - off-campus room or apartment 2
 - parents' or relative's home 3
 - married student housing 4
 - fraternity or sorority 5
5. My current marital status is
 - single 1
 - married 2

EDUCATIONAL PLANS, INTERESTS, AND NEEDS

The items in this section deal with your special plans, interests, and educational needs.

Major and Vocational Choice

For each question, examine the list of majors that begins with number 100 and ends with number 310. When you have decided on your answers, please blacken the appropriate ovals on your registration folder.

Since we could not list all possible occupations and programs of study, you may not be able to find an exact description of the one you plan to enter. If that is so, you may choose a general area—for example, 100 (Agricultural Fields), 200 (Engineering Fields), 220 (Fine and Applied Arts).

If you are completely undecided about your answer to any of the following three questions, mark 000.

11. Which program of study do you plan to enter?
12. What is your first choice of occupation (vocation)?
13. Many people consider more than one occupation or vocation. What is your second choice?

LIST OF MAJORS

- | | | |
|--|---|--|
| <p>100 AGRICULTURE, general</p> <p>101 Agricultural Business</p> <p>102 Agricultural Economics</p> <p>103 Agricultural and Farm Management (farming and ranching)</p> <p>104 Agriculture, Forestry, and Wildlife Technologies</p> <p>105 Agronomy (field crops and crop management)</p> <p>106 Animal Science (husbandry)</p> <p>107 Fish, Game, and Wildlife Management</p> <p>108 Food Science and Technology</p> <p>109 Forestry</p> <p>110 Horticulture/Ornamental Horticulture</p> <p>111 Natural Resources Management (soil conservation)</p> <p>120 ARCHITECTURE, general</p> <p>121 Architecture Technology</p> <p>122 City, Community, and Regional Planning</p> <p>123 Environmental Design, general</p> <p>124 Interior Design</p> <p>130 BIOLOGICAL SCIENCES, general</p> <p>131 Biology</p> <p>132 Biochemistry</p> <p>133 Botany</p> <p>134 Ecology</p> <p>135 Microbiology</p> <p>136 Zoology</p> <p>140 BUSINESS AND COMMERCE, general</p> | <p>141 Accounting</p> <p>142 Banking and Finance</p> <p>143 Business Economics</p> <p>144 Business Management and Administration</p> <p>145 Food Marketing</p> <p>146 Hotel and Restaurant Management</p> <p>147 Labor and Industrial Relations</p> <p>148 Office Management</p> <p>149 Marketing and Purchasing (sales and retailing)</p> <p>150 Real Estate and Insurance</p> <p>151 Recreation and Tourism</p> <p>152 Secretarial Studies</p> <p>153 Transportation and Public Utilities</p> <p>160 COMMUNICATIONS, general</p> <p>161 Journalism</p> <p>162 Radio/Television (related to broadcasting)</p> <p>163 Advertising</p> <p>170 COMPUTER AND INFORMATION SCIENCES, general</p> <p>171 Computer Programming</p> <p>172 Information Systems and Sciences</p> <p>173 Systems Analysis</p> <p>174 Data Processing Technology</p> <p>175 Computer Operating</p> <p>176 Data Systems Repair</p> <p>180 EDUCATION, general</p> <p>181 Agricultural Education</p> <p>182 Art Education</p> | <p>183 Business, Commerce, and Distributive Education</p> <p>184 Elementary Education</p> <p>185 English Education</p> <p>186 Home Economics Education</p> <p>187 Industrial Arts, Vocational/Technical Education</p> <p>188 Mathematics Education</p> <p>189 Music Education</p> <p>190 Physical Education</p> <p>191 Science Education</p> <p>192 Secondary Education, general</p> <p>193 Social Science Education</p> <p>194 Special Education</p> <p>195 Speech Education</p> <p>200 ENGINEERING, general</p> <p>201 Aerospace, Aeronautical, and Astronautical</p> <p>202 Agricultural Engineering</p> <p>203 Architectural Engineering</p> <p>204 Chemical Engineering</p> <p>205 Civil Engineering</p> <p>206 Electrical, Electronics, and Communications Engineering</p> <p>207 Environmental and Ecological Engineering</p> <p>208 Geotechnical Engineering</p> <p>209 Industrial and/or Management Engineering</p> <p>210 Mechanical Engineering</p> <p>211 Metallurgical and Materials Engineering</p> <p>212 Mining and Mineral Engineering</p> <p>213 Nuclear Engineering</p> <p>214 Ocean Engineering</p> <p>215 Petroleum Engineering</p> |
|--|---|--|

122 COLLEGE STUDENT PROFILES

220 FINE AND APPLIED ARTS - general	264 Foods and Nutrition (includes diet)	318 Law (prelaw)
221 Applied Design Techniques, Sewing, Ceramics, and Arts	265 Institutional Management	319 Political Science
222 Art (painting, drawing, sculpture)	270 LETTERS (Humanities), general	320 Psychology
223 Art History and Appreciation	271 Classics	321 Sociology
224 Dance	272 Comparative Literature	330 TRADE, INDUSTRIAL, AND TECHNICAL - general
225 Dramatics (stage theater arts)	273 Creative Writing	331 Agricultural Mechanics and Technology
226 Music (general art)	274 English, general	332 Air-Conditioning, Refrigeration, and Heating Technology
227 Music (performing, composition, instrument)	275 Linguistics	333 Aeronautical and Aviation Technology
228 Music (history and appreciation)	276 Literature, English	334 Appliance Repair
229 Photography (cinematography)	277 Philosophy	335 Automobile Body Repair
230 FOREIGN LANGUAGES, general	278 Religion	336 Automobile Mechanics
231 French	279 Speech, Debate, Forensic Science	337 Business Maching Maintenance
232 German	280 MATHEMATICS, general	338 Carpentry and Construction
233 Italian	281 Applied Mathematics	339 Drafting, Engineering Graphics
234 Latin	282 Statistics (mathematical and theoretical)	340 Electricity and Electronics
235 Spanish	283 PHYSICAL SCIENCE, general	341 Engineering Technology - Aeronautical
236 Russian	286 Astronomy	342 Engineering Technology - Automotive
240 HEALTH PROFESSIONS, general	287 Chemistry	343 Engineering Technology - Civil
241 Dentist	288 Earth Sciences	344 Engineering Technology - Industrial/Manufacturing
242 Dental Assistant	289 Geology	345 Engineering Technology - Mechanical
243 Dental Hygienist	290 Oceanography	346 Graphic Arts (printing, typesetting)
244 Dental Lab Technology	291 Physics	347 Heavy-Equipment Operating
245 Environmental Health Technologies	300 COMMUNITY SERVICE, general	348 Dry Cleaning, Laundry, and Clothing Technology
246 Medicine	301 Law Enforcement and Corrections (police, sheriff)	349 Industrial Arts
247 Medical Assistant or Medical Office Services, etc.	302 Parks and Recreation Management	350 Leatherworking (shoe repair, etc.)
248 Medical or Laboratory Technologist	303 Public Administration	351 Machinework (tool and die, etc.)
249 Nursing (registered)	304 Social Work	352 Masonry (brick, cement, stone, etc.)
250 Nursing (licensed practical nurses)	305 Military	353 Metalworking
251 Occupational Therapy	310 SOCIAL SCIENCES, general	354 Plumbing and Pipefitting
252 Optometry	311 Anthropology	355 Radio-TV Repair
253 Pharmacy	312 Area Studies (American Civilization - American Studies, etc.)	356 Small-Engine Repair
254 Physical Therapy	313 Economics	357 Upholstering
255 Public Health	314 Ethnic Studies (Asian Studies, Black Studies, Chicanos Studies, etc.)	358 Watch Repair and other Instrument Maintenance and Repair
256 Radiology	315 Geography	359 Welding
257 X-ray Technology	316 Industry	360 Woodworking (cabinetmaking, millwork)
258 Surgical Technology (surgeon's assistant, etc.)	317 International Relations	370 GENERAL STUDIES
259 Veterinary Medicine		000 Undecided
260 HOME/ECONOMICS, general		
261 Clothing and Textiles		
262 Consumer Economics and Home Management		
263 Family Relations and Child Development		

14. How sure are you about your current choice of program of study?

- 1 am very sure 1
- 1 am fairly sure 2
- 1 am not sure 3

15. How sure are you about your first occupational choice?

- 1 am very sure 1
- 1 am fairly sure 2
- 1 am not sure 3

16. What is the highest level of education you expect to complete?

- Vocational or technical program (less than 2 years) 1
- Two-year college degree 2
- Bachelor's degree 3
- One of 2 years of graduate study (MA, MPA, etc.) 4
- Professional level degree (PhD, MD, LL.M. or JD, etc.) 5
- Other 6

17. I estimate my overall grade point average at the end of my first year in college will be:

- 0.5-0.9 (D) 1
- 1.0-1.4 (D) 2
- 1.5-1.9 (C) 3
- 2.0-2.4 (C) 4
- 2.5-2.9 (B) 5
- 3.0-3.4 (B) 6
- 3.5-3.9 (A) 7
- 4.0 (A) 8

18. I am interested in pursuing the ROTC, NROTC, AROTC, etc. (to receive financial benefits/courses)

- Yes Y
- No N

SPECIAL EDUCATIONAL NEEDS, INTERESTS, AND GOALS

Many colleges offer special assistance for the individual development of students. You may wish to seek such assistance. Please respond Y or N to each item.

- Yes, applies to me Y
- No, does not apply to me N

- 19. I need help deciding on my educational and vocational plans.
- 20. I need help in expressing my ideas in writing.
- 21. I need help in improving my reading speed and comprehension.
- 22. I need help in improving my study skills.
- 23. I need help in improving my mathematical skills.
- 24. I would like personal counseling.

The next questions (25-39) relate to special college programs designed for students who want and are able to pursue academic work of an enriched or accelerated nature. Please respond Y or N to each item.

- Yes, I am interested and would like to be considered Y
- No, I am not interested N

- 25. Independent study (a program of study with topics chosen by the student, approved by the college and supervised by a professor, often part of an honors program)
- 26. Freshman honors courses (designed to challenge academically superior students)

1130

- 27. Study in a foreign country during undergraduate years in college
- 28. Advanced placement in English
- 29. Advanced placement in mathematics
- 30. Advanced placement in social studies
- 31. Advanced placement in natural sciences
- 32. Advanced placement in French
- 33. Advanced placement in German
- 34. Advanced placement in Spanish
- 35. Advanced placement in other language

Some colleges allow students to receive credit for certain courses through the use of special testing procedures. Indicate in which subject areas you would be interested in obtaining credit by examination.

- 36. Credit by examination in English
- 37. Credit by examination in mathematics
- 38. Credit by examination in social studies
- 39. Credit by examination in natural sciences

COLLEGE EXTRA-CURRICULAR PLANS

The next questions (40-55) list student activities you may be interested in at college. Please respond Y or N to each item.
 Yes, I do plan to participate Y
 No, I do not plan to participate N

- 40. Instrumental music
- 41. Vocal music
- 42. Student government
- 43. Publications (newspaper, yearbook, literary magazine)
- 44. Debate
- 45. Departmental clubs
- 46. Dramatics, theater
- 47. Religious organizations
- 48. Racial or ethnic organizations
- 49. Intramural athletics
- 50. Varsity athletics
- 51. Political organizations
- 52. Radio-TV
- 53. Fraternity or sorority
- 54. Special-interest groups (ski club, sailing club, judo, chess, martial arts, drill teams, etc.)
- 55. Campus or community service organizations

FINANCIAL AID

The next four questions ask for information about financing your college education, which will be useful to college financial aid officers. Use the responses below to answer items 56-57.
 Yes, apply to me Y
 No, does not apply to me N

- 56. Do you expect to apply for financial aid to help meet college expenses.
- 57. Do you expect to work while attending college and would like help in finding employment.
- 58. About how many hours per week do you plan to work during your first year at college?
 None 1
 1-20 2
 21-30 3
 31-40 4
 41 or more 5
- 59. To receive financial aid programs for entering students, colleges need to know the financial background of their students. Please estimate as accurately as possible your family's income. (Indicate total income before taxes.)
 Less than \$3,000 0
 \$3,000 to \$5,999 1
 \$6,000 to \$7,999 2
 \$8,000 to \$9,999 3
 \$10,000 to \$11,999 4
 \$12,000 to \$14,999 5
 \$15,000 to \$19,999 6
 \$20,000 and over 7
 I consider this information confidential 8

BACKGROUND INFORMATION

Items 60-65 request information about you and your family.

- 60. Which of the following best describes the community in which you live?
 Farm or open country 1
 Town or city of:
 Less than 500 population 2
 500-1,999 3
 2,000-9,999 4
 10,000-49,999 5
 50,000-249,999 6
 250,000-499,999 7
 500,000-999,999 8
 More than 1 million 9
- 61. How many brothers and sisters under 21 years of age do you have?
 None 0
 One 1
 Two 2
 Three 3
 Four 4
 Five 5
 Six 6
 Seven 7
 Eight 8
 Nine or more 9



62. Indicate your religious affiliation or preference.

- Roman Catholic 1
- Jewish 2
- Protestant 3
- Latter Day Saints 4
- Other 5
- NONE 6
- I prefer not to respond 7

63. How far away do you live from the college you expect to attend?

- Less than 10 miles 1
- 10-25 miles 2
- 26-100 miles 3
- More than 100 miles 4
- I have no particular college in mind yet 5

64. Is English the language most frequently spoken in your home?

- Yes Y
- No N
- I prefer not to respond 0

65. Colleges often provide special educational programs and opportunities for students from particular racial or ethnic backgrounds. ACT releases this information only to those institutions that request it. If your background is listed below and you wish to identify yourself, please respond to this item. You are not required to provide this information.

- Afro-American/Black 1
- American Indian/Native American 2
- Aleutian (Eskimo) 3
- Caucasian American/White 4
- Mexican American or Chicano 5
- Oriental American 6
- Puerto Rican or Spanish-Speaking American 7
- Other 8
- I prefer not to respond 9

FACTORS INFLUENCING COLLEGE CHOICE

Items 66-77 concern factors influencing your college choice.

66. I plan to attend the following type of college:

- Public college or university (4-year) 1
- Private college or university (4-year) 2
- Public community or junior college (2-year) 3
- Private junior college (2-year) 4
- Vocational-technical school (2-year or less) 5
- School of nursing 6

67. I plan to attend a college that is

- coeducational 1
- all male 2
- all female 3
- no preference 4

68. In which state do you plan to attend college? If you have not decided yet, indicate your preference. You may indicate up to five states in order of preference. Use the state-ends list on page 1 of your registration folder.

69. I plan to attend a college with a maximum annual tuition of (Do not include room and board.)

- \$500 1
- \$1,000 2
- \$1,500 3
- \$2,000 4
- \$2,500 5
- \$3,000 6
- \$3,500 7
- \$4,000 8
- No preference 9

70. The size of the student body of the college I plan to attend is:

- Small (under 1,000 students) 1
- Medium (1,000 to 5,000 students) 2
- Large (5,000 to 10,000 students) 3
- Very Large (10,000 students and over) 4

In selecting a college, how important to you are (were) the following factors? Please rank items 71-77 by assigning a 1 to the most important one, 2 to the next-most important, and so on. Do not assign the same rank to more than one item. If you wish to omit one or more items, you may

- 71. Type of institution (private, public; 4-year, 2-year)
- 72. Male/female composition of student body (for example, all male, all female, coeducational)
- 73. Location (state or region)
- 74. Tuition, cost
- 75. Size of enrollment
- 76. Breadth of study (major, curriculum)
- 77. Admits other than those set out above

1974-75 ACT STUDENT PROFILE REPORT

PART II

HIGH SCHOOL INFORMATION

Items 78-177 concern information about your high school education and activities.

78. The high school from which I will (did) graduate can be best described as a

- public high school 1
- Catholic high school 2
- private, independent school 3
- private, denominational school 4
- military school 5
- other 6

79. The number of students in my high school graduating class is (was)

- fewer than 25 1
- 25-99 2
- 100-199 3
- 200-399 4
- 400-599 5
- 600-899 6
- 900 or more 7

80. The percentage of students in my high school are (were) of racial background similar to mine is (was)

- 10% or less 1
- between 10% and 25% 2
- between 25% and 50% 3
- between 50% and 75% 4
- between 75% and 90% 5
- 90% or more 6

81. My class rank in high school is (was) (If you are not sure, give your best estimate.)

- top quarter 1
- second quarter 2
- third quarter 3
- fourth quarter 4

82. My overall high school average is (was)

- D- to D (0.5-0.9) 1
- D to C- (1.0-1.4) 2
- C- to C (1.5-1.9) 3
- C to B- (2.0-2.4) 4
- B- to B (2.5-2.9) 5
- B to B+ (3.0-3.4) 6
- A- to A (3.5-4.0) 7

83. I would describe my high school curriculum or program as

- business or commercial 1
- vocational-occupational 2
- college preparatory 3
- other or general 4

Years Certain Subjects Studied
(Grades 9-12)

Items 84-93 concern the number of years you will have studied certain subjects by the time you graduate (or have studied, if you have graduated) from high school. Use the responses below to answer *all* the items in this group.

- Half-year 1
- One year 2
- One and a half years 3
- Two years 4
- Two and a half years 5
- Three years 6
- Three and a half years 7
- Four years or more 8
- I did not take any courses in the subject 9

- 84. English
- 85. Mathematics
- 86. Social studies (history, civics, geography, economics)
- 87. Natural sciences (biology, chemistry, physics)
- 88. Foreign language (Spanish)
- 89. Foreign language (German)
- 90. Foreign language (French)
- 91. Foreign language (other)
- 92. Business or commercial
- 93. Vocational-occupational

Advanced Placement, Accelerated or Honors Courses

While in high school, I was enrolled in advanced placement, accelerated or honors courses in the following areas. Use the responses below to answer *all* the items in this group.

- Yes Y
- No N

- 94. English
- 95. Mathematics
- 96. Social studies
- 97. Natural sciences
- 98. Foreign language

HIGH SCHOOL EXTRACURRICULAR ACTIVITIES

Items 99-114 list student extracurricular activities. Please answer Y or N to each item on the list.

- Yes, I participated in this activity Y
 - No, I did not participate in this activity N
- 99. Instrumental music (band, orchestra)
 - 100. Vocal music
 - 101. Student government
 - 102. Publications (newspaper, yearbook, literary magazine)
 - 103. Debate
 - 104. Departmental clubs (science club, math club, etc.)
 - 105. Dramatics, theater
 - 106. Religious organizations
 - 107. Racial or ethnic organizations
 - 108. Intra-school athletics
 - 109. Varsity athletics
 - 110. Political organizations
 - 111. Radio-TV
 - 112. Fraternity, sorority, or other social clubs
 - 113. Special interest groups (ski club, sailing club, judo club, card section, drill teams, etc.)
 - 114. School or community service organizations

OUT-OF-CLASS ACCOMPLISHMENTS

Items 115-177 deal with your high school out-of-class accomplishments. Please respond Y or N to each item.

- Yes, applies to me Y
- No, does not apply to me N

Leadership

- 115. Was appointed to a student office
- 116. Actively campaigned to elect myself or another student to a school office
- 117. Organized a school political group or campaign
- 118. Participated in a nonschool political campaign
- 119. Participated in a student movement to change institutional rules, procedures, or policies
- 120. Was elected to one or more student offices
- 121. Received an award or special recognition for leadership (of any kind)

Music

- 122. Composed music
- 123. Performed with a professional musical group (orchestra, band, choral group)
- 124. Performed in a school musical group
- 125. Gave a public recital (individual or group)
- 126. Played a musical instrument
- 127. Received a superior rating in a state music contest
- 128. Participated in a state music contest

Speech

- 129. Placed first, second, or third in a regional or state speech or debate contest
- 130. Entered a school speech or debate contest
- 131. Had substantial roles in high school or church-sponsored plays
- 132. Gave a speech recital
- 133. Had roles in plays (not high school or church-sponsored)
- 134. Appeared on radio or TV as a performer
- 135. Read for a part in a high school play

Art

- 136. Finished a work of art (painting, ceramics, sculpture, etc.) on my own (not as part of a course)
- 137. Exhibited a work of art at my school
- 138. Exhibited a work of art in a statewide or regional show
- 139. Exhibited a work of art in a city or county art show
- 140. Won a prize or award in an art competition at my high school
- 141. Won a prize or award in a city, county, or state artistic competition
- 142. Had photographs, drawings, or other artwork published in a public newspaper or magazine

Writing

- 143. Worked on the staff of a school paper or yearbook
- 144. Had poems, stories, essays, or articles published in a school publication
- 145. Wrote an original but unpublished piece of creative writing on my own (not as part of a course)
- 146. Had poems, stories, or articles published in a public newspaper or magazine (not school paper) or in a state or national high school anthology
- 147. Won literary award or prize for creative writing
- 148. Had a work of creative writing published in a public magazine or book
- 149. Had a work of creative writing published in a school literary magazine or newspaper

Science

- 150. Wrote an independent paper on a scientific topic which received the highest possible grade given in my school
- 151. Performed an independent scientific experiment (not as part of a course)
- 152. Participated in a National Science Foundation summer program for high school students
- 153. Won a prize or award (of any kind) for scientific work or study
- 154. Placed first, second, or third in a regional or state science contest
- 155. Placed first, second, or third in a school science contest
- 156. Participated in a scientific contest or talent search

Athletics

- 157. Participated in one or more varsity athletic team events (football, basketball, baseball, etc.) while attending high school
- 158. Earned a varsity letter in one or more sports in high school
- 159. Was appointed or elected cheerleader or captain of a varsity team in high school
- 160. Received all-city, league, county, or state team award (including honorable mention)
- 161. Participated in an organized athletic competition outside high school
- 162. Participated in two or more individual athletic activities (tennis, swimming, bowling, skiing, golf, etc.)
- 163. Attended athletic events regularly

Community Service

- 164. Won recognition or an award for a club or organization activity (FFA, FHA, 4-H, Scouting, Boys' Club, Girls' Club)
- 165. Taught in a church or synagogue, or led a religious service on a regular basis
- 166. Worked as a volunteer aid in a hospital, clinic, or home
- 167. Was active in programs which helped my community or neighborhood develop pride in itself
- 168. Participated in a program to assist children or adults who were handicapped mentally, physically, educationally, or economically
- 169. Worked as a volunteer on a civic improvement project or in a voter education project
- 170. Received an award or recognition for any kind of community service

Work Experience

- 171. Held a regular part-time job (e.g., waitress, sales clerk, newspaper carrier, etc.)
- 172. Held a full-time paying job during the summer
- 173. Earned money by selling goods or services
- 174. Participated in a work-study, distributive education, or cooperative work program while enrolled in high school
- 175. Started my own business or service
- 176. Supervised the work of others
- 177. Managed the financial affairs of some organization

Items 178-188 ask you to rate certain aspects of your high school. Your name will not be identified with your responses. Only a group report without names will be sent to your high school. Please try to be both frank and fair; answer in terms of your own experience or observations and not in terms of what you may have heard from other students. Use the following scale:

- Satisfied, no change necessary 1
- No strong feelings one way or the other 2
- Dissatisfied, improvement is needed 3
- No experience with this aspect of the school 4

- 178. Classroom instruction
- 179. Number and variety of course offerings
- 180. Grading practices and policies
- 181. Number and kinds of texts given
- 182. Guidance services
- 183. School rules, regulations, and policies
- 184. Library or learning center
- 185. Laboratory facilities
- 186. Provision for students needing special assistance in improving skills in reading, math, etc.
- 187. Provision for academically outstanding students (e.g., honors programs, accelerated courses, etc.)
- 188. Adequacy of programs in career education and planning
- 189. How adequate do you feel your high school education has been (was)?

- Very inadequate 1
- Below average 2
- Average 3
- Good 4
- Excellent 5

RELEASE OF STUDENT DATA

ACT will release your ACT report only according to your instructions. However, we also want to help you communicate with colleges and scholarship agencies about programs and opportunities in which you may be interested. Therefore, please read the two statements below and mark your response to each of them either Y (Yes) or N (No).

- 190. Colleges and other educational institutions and agencies may ask ACT to inform you about educational opportunities or programs they offer which seem to match your interests and needs.

Do you wish ACT to inform you about such programs?
 Yes, I would like to receive such information Y
 No, I do not wish to receive such information N

- 191. Colleges and other educational institutions or agencies (for example, state scholarship agencies) may ask us to send your ACT record to them so they can contact you directly about educational opportunities, programs, or benefits they offer that seem to match your interests and needs.

Do you authorize ACT to send your ACT record to such institutions?
 Yes, I authorize ACT to release my ACT record Y
 No, I do not authorize ACT to release my record N

Appendix C

ACCURACY OF THE NORMS

The norms in this report are estimates derived from a sample survey of the population of freshmen who took the ACT Assessment and who enrolled in colleges participating in the Class Profile Service. Two kinds of errors can occur in making estimates from a sample survey—sampling errors and nonsampling errors. Sampling errors occur because only a portion of the population is surveyed, rather than all of it. Nonsampling errors are those that would occur in a census of the population, as well as in a sample. The accuracy of the survey result is determined by the joint effects of both these kinds of errors.

Nonsampling Errors in This Survey

Nonsampling errors arise from many sources, e.g., coverage errors, inability to obtain information about all cases in the sample, respondents' inability or unwillingness to provide correct information, mistakes in recording or coding the data, and processing errors. These errors are discussed below in the context of this survey.

The sample for the student subgroups in this study was drawn from a population of approximately 1,490 fewer people than the entire 452,310 member Class

Profile population. The individuals omitted from the sample are enrolled in colleges that required special processing using out-of-range college codes. Because such a small portion of the population is omitted, however, the effect of this coverage error on the norms is insignificant.

Some students who take the ACT Assessment do not have their scores sent to a college; instead, the colleges learn about them through high school transcripts. Colleges are allowed to include these students in their Class Profile Reports through the "Added Student Option," but not all colleges elect to do so. Hence, a certain segment of the freshman population is excluded from this study. The number of such students is determined by local institutional policies, and the overall effect of this omission on the norms is not known.

Since 1974, ACT has offered colleges three options for testing students residually: They could administer to their students the standard ACT Assessment; they could administer only the SPS and ACT Interest Inventory; or they could administer only the four tests of educational development. Colleges that choose the third option are offered

the further option of either including their residually-tested students in Class Profile or excluding them. This procedure resulted in about 26,500 students participating in the 1975-76 Class Profile for whom no SPS information was available. Thus, the SPS norms in Chapter 3 are based on a smaller sample than the ACT score and high school grade norms in Chapter 2. In years past, students who tested late or residually have had lower ACT scores and high school grades than students who tested at other times.

SPS data are available for students who tested since 1973, but not for those who tested prior to that time. These students, of course, tend to be older than those who have tested more recently.

In registering for the ACT Assessment, some students do not report their high school grades. Thus, the high school grade norms in this study are based on an incomplete sample. Although it is difficult to say what their grades would have been had all students supplied this information, the overall rate of non-response is low enough (less than 5%) that any resulting bias is not likely to be significant.

ACT requires at least three high school grades in order to compute the high school average. This policy results in a 10% nonresponse rate for high school average. Natural Science is the area most frequently not included in the high school average.

Because high school grades in the ACT Assessment are student-reported, their

accuracy must be examined. In a comprehensive study by Maxey and Ormsby¹ a random sample of students was selected from 143 high schools chosen to be representative with respect to geographic region, size, and urban-rural characteristics. Information was then collected from 5,775 ACT-tested students in 134 of the schools. Maxey and Ormsby found that on the average, 78% of the students reported their grades accurately to within one letter. About 16% of the students overrepresented a grade by one letter or more and about 6% underrepresented a grade by one letter or more. Assuming the same pattern has been maintained since 1971, we can conclude that the high school grade distributions in this study are less than a letter grade overstated.

College officials sometimes mark their rosters incorrectly, thus introducing another nonsampling error into this study. It is reasonable to assume, however, that these clerical errors are made randomly with respect to any quantity being measured by the ACT Assessment. Thus, it is not likely that a directional bias is injected into the data.

Data from the Class Profile rosters are optically scanned, with virtually no scoring error. Moreover, the computer programs used to generate the tables have been tested extensively both in

¹E. J. Maxey and V. J. Ormsby, *The Accuracy of Self-Reported Information Collected on the ACT Test Battery: High School Grades and Items of Non-academic Achievement*, ACT Research Report No. 45 (Iowa City, Iowa: The American College Testing Program, 1971).

actual production and against data with known properties. We believe, therefore, that no significant error accrues either in conversion of the data to machine format or in the computations.

Sampling Errors²

Sampling errors in surveys like this occur because observations are made only on a sample of the population rather than on the entire population. The particular sample used in this survey is one of a large number of all possible samples of the same design that could have been selected; norms derived from the different samples would differ from each other.

The standard error of a survey estimate is a measure of the variation among the estimates from all possible samples that could result from a particular survey design. It is thus a measure of the precision of the survey estimate: in general, the smaller the standard error, the more precise that estimate is. It is possible to estimate the standard error for a survey estimate from the data. Thus, not only can one estimate some attribute of the population, but one can also estimate the precision involved in doing so.

As calculated for this report, the estimated standard error also partially measures the effect of some non-sampling errors. It does not, however, measure the biasing effects of non-sampling errors. Bias is the difference, averaged over all possible samples of a given design, between the estimate and the desire value. The accuracy of a survey estimate depends on both the sampling and nonsampling errors mea-

sured by the standard error, and the bias not measured by it.

The sample estimate and its estimated standard error permit one to construct interval estimates with prescribed confidence that the interval includes the average result of all possible samples of a given design. (This average result is equal to the quantity being estimated plus the bias in the estimation.) To illustrate, if all possible samples of a given design were selected, each surveyed under essentially the same conditions, and an estimate and the associated estimated standard error were calculated from each sample, then approximately two-thirds of the intervals from one standard error below the estimate to one standard error above the estimate would include the average value of all possible samples. An interval estimate from one standard error below the estimate to one standard error above the estimate is called a two-thirds confidence interval.

The average value of all possible samples of a given design may or may not be contained in any particular computed interval. But for a particular sample, one can say with specified confidence that the average of all possible samples is included in the constructed interval.

In Table C.1 is listed the half-width of a two-thirds confidence interval (that is, the standard error) for several values of the sample size (N) and the proportion

²Part of this discussion is adapted from "Standards for Discussion and Presentation of Errors in Survey and Census Data," by Gonzales, Ogus, Shapiro, and Tepping. *Journal of the American Statistical Association*, 70, No. 351, Part II.

being estimated (p). The following example shows how to use this table. According to Table 2.2 an estimated 50% of all students in the Class Profile population enrolled in 2-year colleges scored 15 or less on the ACT mathematics test. The sample size for this estimate is 12,433. From Table C.1, the estimated standard error for this estimate is between .003 and .005; approximate it by .004. Thus, a two-thirds confidence interval for the proportion of 2-year college students in the Class Profile population who scored 15 or less on the ACT mathematics test is approximately $.05 \pm .004$, that is, .496 to .504.

Note that the standard errors are symmetric about $p=.50$; thus, for any given sample size, the standard error corresponding to an estimated proportion of .40 is the same as that for .60; the same consideration applies to estimated proportions of .30 and .70, .20 and .80, etc.

Observe also that the standard error for a proportion p is a function of both p and the sample size N . In general, the standard error decreases as N increases or as p approaches 0 or 1. In other words, the larger the sample or the more extreme the true value of p , the more precision there is in estimating p .

The entries in Table C.1 are based on "simple random sampling," which would

correspond to putting in a hat the names of all the students in a Class Profile subgroup, mixing the contents of the hat, and selecting a 10% sample. The sampling procedure actually used in this study corresponds more closely to drawing simple random samples from *each school separately*, with the sample size proportional to school size. Due to differences among the schools, this latter method actually yields more precise estimates; thus, the standard errors in Table C.1 are upper bounds. In other words, the precision of the estimates is better than indicated in Table C.1.

The above statement needs to be qualified somewhat. Unlike the sample sizes for norms based on college characteristics (such as region, control, and type), the sample sizes for norms based on student characteristics (such as sex, race, and age) are not fixed from sample to sample; another sample taken in the same way as this one would result in the same number of students for the norms based on college characteristics, but might very well result in a different number of males, females, blacks, etc. The effect of this extra source of variation is to decrease the precision of the estimates and thus increase their standard error. The exact amount of increase is unknown, but is probably quite small. Therefore, entries in Table C.1 are applicable to norms based on student characteristics, as well as college characteristics.

TABLE C.1
Estimated Standard Errors for Estimated Proportions

Sample Size N	Estimated Proportion (p)						
	.01 or .99	.05 or .95	.10 or .90	.20 or .80	.30 or .70	.40 or .60	.50
50,000	*	.001	.001	.002	.002	.002	.002
40,000	*	.001	.001	.002	.002	.002	.002
30,000	.001	.001	.002	.002	.003	.003	.003
20,000	.001	.001	.002	.003	.003	.003	.003
10,000	.001	.002	.003	.004	.004	.005	.005
9,000	.001	.002	.003	.004	.005	.005	.005
8,000	.001	.002	.003	.004	.005	.005	.005
7,000	.001	.002	.003	.005	.005	.006	.006
6,000	.001	.003	.004	.005	.006	.006	.006
5,000	.001	.003	.004	.005	.006	.007	.007
4,000	.001	.003	.005	.006	.007	.007	.008
3,000	.002	.004	.005	.007	.008	.008	.009
2,000	.002	.005	.006	.008	.010	.010	.011
1,000	.003	.007	.009	.012	.014	.015	.015
900	.003	.007	.009	.013	.014	.015	.016
800	.003	.007	.010	.013	.015	.016	.017
700	.004	.008	.011	.014	.016	.018	.018
600	.004	.008	.012	.015	.018	.019	.019
500	.004	.009	.013	.017	.019	.021	.021
400	.005	.010	.014	.019	.022	.023	.024
300	.005	.012	.016	.022	.025	.027	.027
200	.007	.015	.020	.027	.031	.033	.034
100	.009	.021	.028	.038	.043	.046	.047

* Denotes standard error less than .0005.

ACT REGIONAL OFFICES

The professional staff of The American College Testing Program is pleased to consult with educators to improve the interpretation and uses of ACT information and services. Addresses and telephone numbers of the ACT Regional Offices are given below.

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