#### DOCUMENT RESUME

BD 111 879

TH 004 847

AUTHOR TITLE Drummond, Robert J.; And Others

The Children's Interaction Matrix: Intermediate Form, Primary Form. Preliminary Manual. Research Edition

1975.

SPONS AGENCY

Maine Univ., Orono.

PUB DATE

75 63p.

EDRS PRICE DESCRIPTORS '

MF-\$0.76 HC-\$3.32 Plus Postage

Elementary Education; \*Elementary School Students; Factor Analysis; \*Group Behavior; \*Interaction; Manuals; \*Matrices; Norms; Scoring; Statistical Analysis; Test Reliability; \*Tests; Test Validity

IDENTIFIERS

\*Childrens Interaction Matrix

#### ABSTRACT

The Children's Interaction Matrix, Intermediate and Primary Forms, are designed to identify the preferred work and content styles of children in group situations. These factors aid the researcher, teacher, and counselor in understanding the individual's preferred mode of behavior in groups as well as indicating the students' reaction to group situations. Primarily research instruments, the tests are based on the conceptual framework of the Hill Interaction Matrix (HIM) (1965). This is a two dimensional matrix which describes a person's preferred content and work-style modes of group behavior. The tests are based on the 16 cells of the HIM. Four items were included for each cell for a total of 64 items. The original item pool of the HIM as well as the cell labels were used as criteria for development and selection of the items. Items were simplified for children in respective grade levels and were rated by judges as to their appropriateness for each cell. The response format was simplified to a two position "Yes", "No" format for the primary form and to a three position--"Usually", "Sometimes", "Not Often", format for the intermediate form. Besides the tests, data are provided on: reliability, validity, factor analysis, norms, scoring, and correlations. (Author/RC)

# PRELIMINARY MANUAL

# THE CHILDREN'S INTERACTION MATRIX<sup>1</sup> INTERMEDIATE FORM PRIMARY FORM

# RESEARCH EDITION 1975

COLLEGE OF EDUCATION UNIVERSITY OF MAINE ORONO, MAINE 04473

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<sup>1</sup>A derivation of the Hill Interaction Matrix.



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#### ACKNOWLEDGEMENTS

The development of this instrument and manual was made possible by a grant from the Faculty Research Funds of the University of Maine at Orono during the 1973-74 academic year, and by support from the Maine Agricultural Experiment Research Station.

The authors also wish to acknowledge the contribution and cooperation of the following individuals in the development and standardization of the test:

Mary Clayton
Director of Guidance
Columbus Public Schools
Columbus, Ohio

James Hennigan Assistant Superintendent of Schools Skowhegan, Maine

Ronald Minctons
Principal, John R. Graham School
Veazie, Maine

George Parsons University of Cincinnati Cincinnati, Ohio

Barbara Pitsch
Psychologist, Project APT
Merrimack, New Hampshire

We are particularly indebted to William Fawcett Hill for his permission to modify the HIM-B for use with elementary students.



## The Test

The Children's Interaction Matrix - Intermediate and Primary Form - have been designed to identify the preferred work and content styles of children in group situations. These factors aid the researcher, teacher and counselor in understanding the individuals' preferred mode of behavior in groups as well as indicating the students' reaction to group situations. The information can be particularly useful to the counselor or teacher in structuring group composition or providing group experiences. When researchers, teachers, counselors, or psychologists have evidence of children's characteristic modes of response in a variety of group situations, they are better equipped to guide them to and through better group experiences and to help the individual student experience situations conducive to social and personal growth and adjustment.

Both the Intermediate and Primary Forms of the Children's Interaction

Matrix are based on the conceptual framework of the Hill Interaction

Matrix (1965). This is a two dimensional matrix which describes a person's preferred content and work-style modes of group bahavior. The HIM-B matrix is presented in Figure 1 and the descriptions of the categories of the interaction in Table 1. The test does not include items from the responsive category (A). At this level, the individual merely responds to questions directed to him by the group leader.

The Children's Interaction Matrix -- Intermediate and Primary -- are primarily research instruments. Clinical judgements of psychologists, counselors, and teachers should be utilized as well in structuring and organizing group experiences.

# CONTENT/STYLE

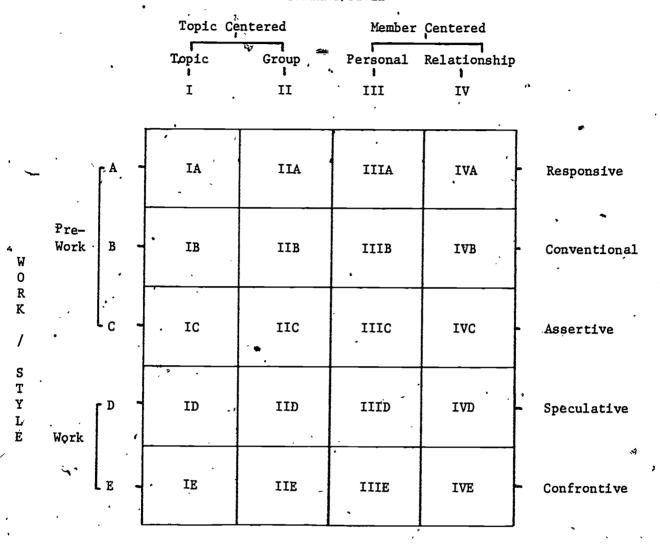


Fig. 1. Hill Interaction Matrix showing content and work style categories.

# Categories of Interaction in the HIM-B

Category	Description
Work/Style (rows)	
B-Conventional	Behavior that is socially appropriate for any group. The interaction may be so socially oriented to be devoid of any content and be no more than pleasantries and amenities.
C-Assertive	Argumentative, hostile or assertive statements.
D-Speculative	Speculative, intellectual, or controlled approach to pertinent therapeutic issues.*
E-Confrontive	Penetration to the significant aspects of a discussion; and because of this penetration, these statements confront members with aspects of their behavior usually avoided.
Content/Style (columns)	
I-Topic	Statements about any one of an infinite number of topics of general interest, exclusive of the group or its members being the topic.
II-Group	The speaker identifies with the group as an entity, and personal reactions to the group are probed for or are given in answer to such probes.
III-Persona1	Interaction having as its topic a group member and is usually a member's actions, problems or personality.
IV-Relationship	Demonstrates (acts out), alludes to or

discusses a relationship between members or between a member and the group.

<sup>\*</sup>In the authors' thinking we substitute the word developmental for therapeutic.

#### 5

### Construction of the Tests

The Children's Interaction Matrix — Intermediate and Frimary Forms — are based upon the 16 cells of the Hill Interaction Matrix. Four items were included for each cell for a total of sixty-four items. The pool of original items on the HIM-B (1965) as well as the cell labels were used as criteria for development and selection of the items. The structure of the items as well as the wording were simplified to be appropriate for children in the respective grade levels. The items were rates by three judges as to their appropriateness for each cell. The Chall and Lorge formulas for readability of test items were computed as a check on the verbal level of the tests (Chall, 1958; Lorge, 1944).

The response format was also simplified from a six position, Guttman Scale, to a two position "Yes", "No" format for the primary form and to a three position — "Usually", "Sometimes", "Not Often", format for the intermediate form.

#### Sample

The subjects of the testing program which led to the development of the Children's Interaction Matrix were 1049 students from 5 communities representing rural and urban, middle and lower class, white and black populations in three states. See Table 30 for complete breakdowns by sex, grade, and community.

## Reliability

From the pilot testing of the Children's Interaction Matrix, splithalf coefficients were computed for both forms of the test. The reliability coefficients are reported in Table 2. The Total Acceptance Scale,



based on responses to all 64 items has sufficient reliability for use with individuals. The work style scales tend to have higher reliabilities than the content scales and appear to be more useful for individual assessment. The reliabilities of the content scales are sufficiently low that cautious interpretations appear suggested.

Additional reliability studies are now being conducted. Information on the coefficient of stability based upon test-retest results will be available during June, 1975. The test is being cross validated on other samples and reliability coefficients will be computed for the Factor Scales as well as the Theoretical Scales proposed by Hill.

Table 2

Corrected Split Half Reliability Coefficients

for Children's Interaction Matrix

	•	Ļe <sup>.</sup>	ve1 ·	٤
Scale	rimary	(N=304)	Intermediate	(N=745)
Conventional _	(	69 .	.71	
Assertive		49 🃜 🧏	.72 **	'e ,
Speculative -	•6	57 <sup>°</sup> .		
Confrontive		58 . 4.	.75.	^.
Topic	5	55.	.61	<b>i</b> •
Group	,6	60 ° ´	.67	ر من الم
Personal	.e	54 .	58	* * *
Relationship	, <b>.</b> 6	50 .	.48	
Total Acceptance Score	8			•

#### Validity

Two types of analysis have been conducted with the Children's Interaction Matrix. The validity was studied by comparing the test with the Children's Personality Questionnaire (1972) as well as comparing it with peer and teacher nominations. The correlations between the CPQ and CIM are presented in Table 3.

The construct validity was also examined by a factor analysis and by analyzing the scores based on teacher and peer nominations.

## Concurrent Validity

Teachers in grades 1 and 2 were asked to identify students who demonstrated clearly one of the four work styles. Students nominated for each work style were then compared with other students in the same classes not nominated. Significant differences were found between the means of students nominated in two work styles, assertive and confrontive, and students in general. No significant differences were found between the two groups on the Conventional and Speculative Scales.

Teacher nominations were also sought from grade 4-6 teachers. Students nominated for each category were compared with those nominated for each of the other three. Significant F values were found on the Conventional and Speculative Scales. An F value of 4.56 (3/203 df), significant at the .01 level, was found on the Conventional Scale. Those nominated as Conventional Mad significantly higher means than those nominated as assertive according to Duncan's Multiple Range test. An F of 2.67 with 3/203 degrees of freedom were found on the Speculative Scale. Duncan's Multiple Range Test indicated significant differences between the students nominated as Speculative and Assertive and Conventional and Assertive.



Table 3

Correlations between Children's Interaction Matrix and CPQ for Grades Five to Eight - Male and Female (N=119)
Children's Personality Questionnaire Scale ()e

ļ	3	10.A	11.B	12.C	13,D	13.D 14.E 15.F 16.G 17.H 18.I 19.J	F 16.6	17.н	18.I		Z0.N	21.0	22.03 23.04	23.04
<del>-</del> i	Conventional	.31***	.31*** .32*** .33***02	.33***	02	.0605	5 .02	ļ	.18 .0518	18	24*	15	.16	21*
2.	Assertive	21*	. 12	08	,29**	. 29** .19	.1615	1	1106	.14	. 22	·00·	27**	
e,	Speculative	.25**	¢ 19	.25*	05	0516	60. 91	.14	.13	14	26**	12	.21*	13
4.	Confrontive	.25*	.22*	.35***13		0718	.21*	* :12	.05	23*	31**	27**	27**	25**
5.	Topic	.21*	.27**	.26**	01	0206	96 .02	.14	.07	17	-, 17	15	.12	<b>~.1</b> 3
6.	Group	.27**	.20*	. 38***	07	.0501	10. 10	.17	05	26**	16	24*	.01.	06
7.	Persona1	.17	. 29**	.21*	00.	.00 -: 18	.8 .12	90.	.14	, 50	25	17	.17	18
ထိ	Relation	.05	.17	.11	.14	.0803	3 .01	.00	.05	.02	13	,04	.13	05
9.	TAS	.22*	.29**	.31**	.01	.0309	70. 6	.12		.0615	23	19	.15	13
				-					•		•			

\*p<.05 \*\*p<.01 \*\*\*p<.001

Peer nominations were also used with the 4th, 5th and 6th grades.

An F of 3.11 with 3/326 df was computed in comparing the Assertive with the other three groups and was significant at .05 level. Duncan's Multiple Range Test revealed significant differences between the Assertive and Conventional and Confrontive and Conventional groups.

# Factor Analysis

The structure of the Intermediate form of the CIM Scale was investigated with a combined sample of 689 fourth to eighth graders by means of principal-components factor analysis.

Factors were extracted and rotated by the verimax method. Items with loadings of .30 and above on any factor were inspected and the factors named by considering the content of the items with the highest loadings.

Nineteen factors accounted for 58% of the variance. Of these, eight factors had three or more items with loadings above .30.

The factor structure for the primary form is currently being evaluated

Factor 1	Peer Relations	4
15	I like to know something about the families, homes, and hobbies of kids.	52 <i>5</i>
31	I try to help other kids when they have problems with their parents or other kids.	.413
41	I like to know all about my classmates.	.689
47`	I try to find out how other kids feel about the things that I say and do.	. 475
50	I try to get my friends to talk about the way they think and feel about things.	.522
53	I like to get boys and girls to talk about how they feel about each other.	.463
62	I try to find out what my friends really think about me.	.569
63	I like to be with groups of kids.	.697

Fector 2	Aggressive, Confrontive	
10	I like to say unkind and mean things to other kids.	.576
32 .	When kids tell me that I don't do something very well, I tell them they have faults, too.	.406
· 40	I like to make fun of others.	. 737
49	I like to tease other kids.	.716
. 57	. I like to argue with other kids.	.653
Factor 3	Facilitative Leadership	
21	If kids can't agree on what they are going to do, I ask them why they can't agree.	.420
25 '	I like to help to plan what the group does in its meetings.	.418
28 ,	I like to try to help the others see how each person has good and helpful ideas.	.564
34 .	I tell others how I think they are doing and where they are making mistakes.	.438
46	° If one person is keeping us from doing what we want to do, I complain to the others.	- .582
52	I like to tell others my ideas about what the gang is doing.	.662
60	I tell the gang how I think it is doing.	.691
Factor 4	Affiliation	•
26	I like to talk with other kids.	.703
58	I like to be close friends with other kids.	,332
63	I like to be with groups of kids.	.367
Factor 5	Openness	•
<b>.</b> 2	When they ask me, I tell other kids what I think of them.	.613
16 •	I let other kids know what I think of them.	.724
•	1.	

Factor 5	Openness (continued)	
42	I tell other kids how I feel toward them, even if it may hurt their feelings.	,456
61	When someone asks me if I like them or not, I usually tell them.	.449
•	<b>S</b>	
Factor 6	Intraception	
3	I like to talk with other kids about the way people think, feel and act.	.640
23	I try to get kids to think about how they feel and act toward each other.	.554
<b>*29</b>	I like to talk about why other kids get upset and angry.	.472
33 ,	When my friends talk about their problems, I like to talk about why they have these problems.	.339
6	I like to know why people do the things they do.	.729
Factor 7	Dogmatism	
. •	Kids don't really understand much about most of the problems they see and hear	.375
<b>55</b>	I get angry when my friends tell me I am not the kind of person I should be.	.688
7	Kids need to be "told off" a lot.	.685
Factor 8	Problem Solving	
8 .	When a group of my friends are not getting along well, I try to help them get along better.	.603
17	I like to tell my friends how they might do things better.	.511
<b>.</b> 45	I try to help others understand a problem when they are having trouble figuring something out.	.461

#### Norms

# Primary Form

The Primary Form of the Children's Interaction Matrix was based upon the responses of 304 students in grades 1 to 3 from three different school districts, one rural, one inter-city and the other suburban large city.

One hundred and fifty-one were girls and one hundred and fifty-three boys. The comparison of the means by sex by grade are presented in Table 4.

The correlations between sub-scales and the means and standard deviations for combined sexes and grades are listed in Tables 5 to 7.

Analysis of the means of the scales by the t test revealed significant differences at the .05 between the means of grade three boys and girls on three of the scales. Third grade girls have significantly higher means on the Conventional, Speculative and Personal Scales. Analysis of variance of the scores by sex and by grade revealed that the third grade group of girls had significantly higher scores than girls in lower grades on seven of the nine scales. This was true for only 2 out of the 9 scales for boys (See Table 8).

Percentile Norms for grades 1 to 3 are listed in Tables 14 and 15, Standard Score Norms in Tables 16 and 17, Stanine Norms in Tables 18 and 19. The Percentile, Standard Score and Stanine Norms for the TAS are found in Tables 20 and 21.

### Intermediate Form

The Intermediate Form of the Children's Interaction Matrix was based on the responses of 689 fourth through eighth grade students from five different school districts located in three states. The sample contained students from urban, rural and suburban districts as well as an

urban inner city group. The sample consisted of 348 boys and 341 girls. A comparison of the mean scores by grade and by sex is presented in Table 9. Sex difference were found on only one scale for each of the fourth and fifth grade groups. There were sex differences on five of the scales for the eighth graders. Grade differences by sex are reported in Table 10. No significant differences were found for the male groups but differences were found on five of the scales for females. The scores tended to be higher primarily for the eighth grade groups.

The correlations between the scales for boys are presented in Table 11, for girls in Table 12, and for combined sexes in Table 13.

Percentile Norms for grades 4 to 6 are listed in Tables 22 and 23,
Standard Score Norms in Tables 24 and 25, Stanine Norms in Tables 26 and
27. The Percentile, Standard Score and Stanine Norms for the TAS are
found in Tables 28 and 29.

Table 4

Comparison of Means for Grades One to Three on the Primary Form of the Children's Interaction Matrix

			•			•
		de One	Gra	de Two	Grad	e Three
	M(28)	f(19)	M(65)	f(70)	M(60)	f(62)
Conventional	27.54	26.84	27.68	28.70	29.40	31.05*
	3.64	3.25	2.74	2.30	3.59	3.58
Assertive.	23.46	24.05	24.05	24.44	25.43	. 24.87
•	2.89	2.39	2.67	2.62	4.30	5.00
Speculative	26.25	26.26	26.34	26.97	26.48	28.34*
•	3.92	3.14	3.35	3.21	3.81	4.07
Confrontive	26.50	26.21	26.00	27.07	26.77	27.98
• • •	3.94	3 <b>.</b> 58	3.44	2.97	3.61	4.15
Topic	26.29	25.47	25.88	26.17	27.03	27.89
	. 3.28	3.24	2.58	2.58	3.46	4.30
Group '	26.32	26.53	27.06	27.60	27.72	28.34
	3.54	2.44	2.97	2.78	3.18	3.05
Personal	25.75	25.68	25.92	. 727.07	27.12	. 28.12
	3.85	3.07	3.47	3.01	3.78	4.18
Relation	25.39	25.39	25.22	26.34	26.22	27.87*
ķ,	3.89	2.87	2.88	2.64	3.46	3.76
TOTAL ~	103.75	103.37	104.08	107.19	108.08	112.18
	13.28	9.83	10.22	9.08	11.99	13.44
				,		

**<sup>\*</sup>**p **< .**05

Table 5

Correlations between Children's Interaction Matrix Scales for All Students, Grades One to Three (N=304)

									. <u> </u>	
	2	3	4	5	6	7 .	8	9	X	SD
1. Conventional	.42	.71	.72	.76	.74	.78	.71	.86	28.8	3.3
2. Assertive		. 43	.37	.58	.53	.56	.66	<b>.</b> 67	24.5	·3.4
3. Speculative			. 79	.81	75	.77`	.77	.89	26.9	3.6
4. Confrontive				.76	.74	.81	.73	. 88	26.8	3.6
5. Topic					.68	.70	70	.88	26.5	3.3
6. Group	,					•65	-61	. 84	27.4	3.0
7. Personal				•		-	.70	.88	-26.8	3.6
8. Relation			•				-	.87	26.2	3.3
9. Total Acceptance	Scor	е .			,	_			107.1	11.6

٤

Table 6

Correlation between Children's Interaction Matrix for Males, Grades One to Three (N=153)

	<i>ý</i>	2	3	4	5	6	7	8	9	X	SD
1.	Conventional	.43	.71	. 75	.73	. 78	.81	71	.87	28.3	33
2.	Assertive		.40	. 36	.64	.51	.53	.64	.66	24.4	3.5
3.	Speculative			.80	.79	.76	.78	.76	.89	26.3	3.6
4.	Confrontive		•		.75	.76	.82	.76	.88	26.3	3.5
5.	Topic			•		.71,	.68	.72	.88	26.4	3.1
6.	Group		•				.68	.60	. 85	27.1	3.1
7.	Personal						1-4	.71	.89	26.3	3.6
8.	Relation -								.87	25.6	3.3
9.	Total Acceptance	e Score	2						•	105.5	11.6

Table 7

Correlations between Children's Interaction Matrix Scales for Females, Grades One to Three (N=151)

	,										
		2	-	4	5	6	7	8	9	· <b>X</b>	SD
1.	Conventional	.41	.69	.68	.79	.69	.73	.70	. 84	29.4	3.3
2.	Assertive		.47	. 39	.54	.56	.59	.70	.69	24.5	3.4
3.	Speculative			.76	. 83	.74	.76	.75	. 89	27.4	3.6
4.	Confrontive				.78	.71	.79	.70	.86	27.3	3.6
5.	Topic .				•	.65	. 72	.70	. 89	26.7	3.5
6.	Group			٠.			.60	.65	.182	27.7	2.8
7.	Personal					•		.67	.87	27.3	3.6
8.	Relation								.87	26.8	3.2
9.	Total Acceptance	Score	2							108.7	11.5
							•.				

Table 8 Analysis of Variance of Scales of the Children's Interaction Matrix (Primary Form) by Grade and by Sex

	Female F	Duncans' (.05)	Male F	Duncans'
Conventional	18.11***	3-1, 3-2, 2-1	5.28*	3-1, 3-2
Assertive	0.48		4.05*	3-1, 3-2
Speculative	3.57*	3-1, 3-2	0.05	
Confrontive	2.15		0.72	
Topić	5.61*	3-1, 3-2	2.23	
Group	3.15*	3-1	1.94	•
Personal	3.62*	. §-1	2.13	
Relation (	5.38*	3-1, 3-2	1.52	
Total Acceptance Score	<u>.</u> 5.78*	3-1, 3-2	2.32	- (

<sup>\*</sup>sig at .05 level

<sup>\*\*\*</sup>sig at .001 level

Table 9

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*	
four to eight of the Intermediate form of the Children's Interaction Matrix	
the Children's	
ate form of	
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to eight of t	
grades four	
Comparison of means for grades f	
Comparison	

•	. Gr	Grade 4	Grade	de 5	Grade	<b>9</b>	Grade	le 7	Grade 8	_ ∞ ∞
Scale	M(146)	M(146) F(127)	M(129)	F(135)	M(73)	F(79)	M(21)	F(11):	M(11)	F(13)
Conventional	33.53	34.75*	. 33.04	33.66	33.78	34.77	33.05	33.36	34.73	38.00
•	4.67	4.81	4.45	5.40	5.00	5.51	5.09	5.05	4.90	. 3.37
Assertive	28.82	27.97	28, 33*	26.95	.28.78	28.27	28:43	28.00	. 28.73	09 26
•	4.32	4.36	4.72	4.33	4.09	4.89	4.24	4.20	3.58	4.57
Speculative	30.86	31,93	30.02	30, 59	30.25	31.58	28.38	29.64	76.87	*5¢. %
	5.0Q	4.61	5.15	5.77	5.99	5.99	5.74	3.67	6.49	4.78
Confrontive	30.07	30.65	29.22	28.61	29.66	29.86	26.76	27.73	27.55	32,69
	5.42	5.51	. 5.32	6.19	5.49	6.04	4.92	5.31	6.83	5.89
Topic	31.12	31:72	30.64	30.98	31.23	32.08	29.67	30,36	30.27	35, 23*
	4.52	4.53	4.23	5:01	4.81	4.85	3.94	4.18	6.17	4.64
Group	30.68	30.85	30.23	29, 32	31,52	30,56	28.57	31.09	29, 18	31,39
4	4.69	4.89	4.52	5,13	5.24	5,26	,4.55	4.76	5.13	5.82
Personal	30.99	32.06	29.80	29.96	29.92	30.82	29.33	29.27	29.82	34,00*
	5.08	4.75	4.69	5.35	4.79	5.62	5.54	3.74	2.56	3.61
Relation	30.47	29°°67	29.93	29.54	29.80	31.15	29.05	28.00	28.55	32,62*
	3.88	4.03	4.43	4.68	4.74	4.31	4.71	2.90	4.95	3.86
Total	123.27	125.25	120.53	119.80	122.60	124.80	116.62	118,73	117.82	133.23*
	T4.01	14.03	14.41	T/.40	Το•4Ω ,	TO.94	6/°CT	FT 73	18.04	14.15
			·							

\*p ➤ .05

Table 10 Comparison of Means of Grades Four to Eight By Sex on the Intermediate Form of the HIM-B

· · · · · · · · · · · · · · · · · · ·	Female F	Duncans'	Male F	Duncans'
Conventional	2.63*	1	<b>→</b> 0.58	
Assertive	1.38	,	0.25	
Speculative	2.75	5-7 <b>,</b> 8-4	2.36	
Confrontive	3.14*		2.19	
Topic	2.85 / 8	-7, 8-4, 8-5, 8-6	0.74	
Group	1.88	:	2.07	
Personal	4.21* 8	-7, 8-4	1.37	•
Relation	3.76* 8	-7, 8-4, 6-7, 6-4	1.04	-
Total	3.64*	٠	1.43	

<sup>\*</sup>p 4.05

Table 11

Correlation between Children's Interaction Matrix Scales for Males, Grades Four to Eight (N=380)

,		2	. 3	4	5	6	7	8	9	x	SD
1.	Conventional	.21	.59	.51	.68	•57,	.68	.55	•76.	33.4	4.6
2.	Assertive ,	,	.26	. 26	.45	.42	.38	.52	.54	28.6	4.3
3.	Speculative			.71	.72	.69	.74	.68	.87	30.2	5.3
4.	Confrontive	۸			.66	.71	.72	.67	.84	29.4	5.4
5.	Topic .					.55	.61	.57	.83	30.8	4.4
6	Group						.52	.50	7.79	30.5	. 4.7
7.	Personal					,	•	.57	.84	30.2	4.9
8.	Relation	•							.80	30.0	4.3
9.	Total Acceptance	Score	e .						,	121.6	15.1

Table 12

Correlations between Children's Interaction Matrix Scales for Females, Grades Four to Eight (N=365)

		2	3	4	5	6	7	8	9.	<u>x</u> .	SD
1.	Conventional	, .11	.69	.62	-75	.65	.74	~•53.	.80	34.2	5.2
2.	Assertive		.23	.25	.39	.39	.32	.52	.47	27.6	4.4
3.	Speculative .			.80	.80	.77	. 79	.67	.90	31.3	5.4
4.	Confrontive		١		.76	.78	. 78	.68	. 89	29.7	5.9
5.	Topic					.70	.69	.58	.88	31.6	4.8
6.	Group						.62	.51	. 85	30.2	5.1
7.	Personal '					,	•	∵58	.86	31.0	5.2
8.	Relation								.77	30.3	4.3
9.	Total Acceptance	Score	2							123.2	16.4
		`					,				

Table 13

Correlations between Children's Interaction Matrix Scales for Males and Females, Grades Four to Eight (N=745)

<u>t</u>	; 	2	3	4	5	6	7	8	9	X	SD
í.	Conventional	.14	.65	.57	.72	.61	.71	•54	.78	33.9	4.9
2.	Assertive		.23	.25	.41	.40	33	.52	.49	28.1	4.4
3.	Speculative		-	.76	.76	72	.77	.67	.88	30.7	5.3
4.	Confrontive				.71	.74	:75	.67	.87	¿29.5	5.7
5.	Topic		1			.62	.65	.57	.86 <sub>,</sub>	31.2	4.6
6.	Group		,			v	.57	.50	.82	30.3	4.9
7.	Personal		•					.58	.85	30.6	5.0
8.	Relation .		•		-èn		,	•	.79	30.1	4.3
9. <b>**</b>	Total Acceptance	e Score	2	. 🗼					1	122.4	15.7

Table 14

Percentile Norms for Males, Grades One to Thrae, on the Children's Interaction Matrix

	Described in								1
•	aTone wow	L. Conventional Z. Assertive	2.Assertive	3.Speculative	4.Confrontive	5.Topic	6.Group	7.Personal	8.Relationship
	16		•.			-		,,	
	17					,			
	18		ξ	٩	•			•	
	19	•	^ H	• , .	<b>⊣</b>	•		•	<b>A</b>
	20	П	. 4	, ⁻ਜ	m	•	,	 	ed.
	. 21	•	13	. 7	,		-,	, <del>,</del>	,
	22	•	•26	12	, 01	m	-	-1 a	4 (
	23	ຕ , '	. 04	22	14	12	 	,71	, 13
	, 24		53	32	23	23	) , o	· · · · · · · · · · · · · · · · · · ·	C
		, 10	29	94	. 36	35	. 26	. 33	, y
	26	18	, 61	. 58	. 20	57 .	97	52	- 25 %
,	27	, , , , , ,	, 98	. 72		. 75	82	73, 72	75
	. 28	41	, <b>1</b> 6	. 85	, 75	, 84	. 19	, 78	, <u>8</u>
<i>\$</i>		. 29	÷ 96 ·	06	<b>*</b>	, 92	. 17	- 06 - 06	92
	30	74	100	96		97	· 98	. 96	97
•	. 31	88	,	3.	, 96 .	,	93		66
ì	32		ť	. 100	٨.	66	66	66-	2
							•		

Table 15

Percentile Norms for Females, Grades One to Three, on the Children's Interaction Matrix

16 17 18 19 20 21 20 21 24 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	16 17 18 19 20 21 22 21 24 4 4 48 48 18 25 25 26 14 74 88 61 29 30 67 31 77 31 31 31 31 31 31 31 31 31 31 31 31 31	m	.Speculative 4.Confrontive 5.Topic		o.Group //Personal	diusuoineravo
17 18 19 19 20 21 21 22 23 24 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	17 18 19 20 21 21 22 23 24 4 4 4 4 8 8 25 26 27 26 14 74 88 61 29 49 94 69 31 81 81 81 81 81 81 81 81 81 81 81 81 81				•	· ingress.
18       1       1       1         20       2       2       1         21       2       2       1         22       4       6       6         23       19       8       6       6         24       4       48       18       14       5         25       14       18       14       5       13       24       13         26       14       74       38       34       46       1       30       34       46       1       30       34       46       1       30       34       46       1       30       34       46       1       30       34       46       1       30       34       46       1       30       34       46       1       30       34       46       1       30       34       46       1       30       34       46       1       30       34       46       1       30       34       46       1       30       34       46       1       30       34       46       1       30       34       46       1       30       34       46       1       30	18       1       1         20       2       2         21       8       4         22       8       4         23       8       4         24       4       48       18         25       4       48       18         26       14       74       38         27       24       81       51         28       34       88       61         29       49       94       69         31       77       77         31       84       99       77         31       84       99       77         31       84       99       77	•	•	,	•	•
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	19       1       1         20       2       2         21       8       4         22       8       4         23       31       14         24       4       48       18         25       64       74       38         27       24       81       51         28       34       88       61         29       49       94       69         31       49       97       77         31       44       88       77         32       49       69       77         31       84       99       77         31       84       99       77         31       84       99       77	•	•		o <sub>k</sub>	
20     2     2       21     8     4     2     1       22     1     8     6     6       23     31     14     12     14       24     48     18     49     24     1       25     46     74     38     34     46     7       26     14     74     38     34     46     7       29     49     94     69     48     85     6       30     67     77     81     93     7       31     84     99     44     99     44     99     49     93     93     93     98     88	20       2       2         21       8       4         22       1       19       8         23       31       14         24       4       48       18         25       64       74       38         27       24       81       51         28       34       88       61         29       49       99       77         31       84       99       77         31       84       99       77			•	,	
22     1     19     8     6     6       23     1     19     6     6       23     31     14     12     14       24     4     48     18     24     14       25     4     26     34     24       26     14     74     38     34     46     8       27     24     81     51     45     60     34       28     34     88     61     56     74     4       29     49     94     69     68     85     6       30     67     93     1     98     8       31     84     99     44     99     44     99     49     93     1     98     8	21       8       4         22       1       19       8         23       31       14         24       4       48       18         25       64       7       24         26       14       74       38         27       24       81       51         28       34       88       61         29       49       94       69         31       84       99       14       77         31       84       99       14       88	2 , 2		H		1 6
22       1       19       8       6       6         23       31       14       12       14         24       4       48       18       49       24       1         25       64       7       24       26       34       2       1         26       14       74       38       34       46       8       3         27       24       81       51       45       60       3         28       34       88       61       56       74       4         29       49       99       48       85       6         31       84       99       49       93       93       93       98       8	22       . 1       . 19       . 14         23       . 31       . 14         24       . 48       . 18         25       . 64       . 7       . 24         26       . 14       . 74       . 38         27       . 24       . 81       . 51         28       . 34       . 88       . 61         29       . 49       . 94       . 69         31       . 84       . 99       . 14       . 77         31       . 84       . 99       . 14       . 77	. 8			6	ı, <
4       48       18       19       24       1         64       7       24       26       34       2         14       74       38       34       46       4       3         24       81       51       45       60       3         34       88       61       56       74       4         49       94       69       68       85       6         67       97       77       81       93       7         84       99       60       93       93       98       8	4       48       14         64       764       18         14       74       38         24       81       38         34       88       61         49       94       69         67       97       77         84       99       12       89	•	<b>,</b>	9	í vo	r vo
4       48       18       49       24         64       7       24       26       34         14       74       38       34       46       6         24       81       51       45       60         34       88       61       56       74         49       94       69       68       85         67       97       77       81       93         84       99       89       93       93       98	4       48       18         54       64       7       24         24       81       38         34       88       61         49       94       69         67       97       77         84       99       12         88       89	<b>∢</b>	. 12.		. 11	. 12
14       74       38       34       46       7         24       81       51       45       60         · 34       81       51       45       60         · 34       88       61       56       74         49       94       69       68       85         67       97       77       81       93         84       99       49       93       93       98	14				. 18	1 . 17
24       81       51       45       46       7         34       81       51       45       60         34       88       61       56       74         49       94       69       68       85         67       97       77       81       93         84       99       49       93       1       98	14     74     38       24     81     51       34     88     61       49     94     69       67     97     77       84     99     12     89	•	26		28	27
24     81     51     45     60       34     88     61     56     74       49     94     69     68     85       67     97     77     81     93       84     99     489     93     98	24     81     51       · 34     88     61       49     94     69       67     97     77       84     99     12       84     89		. 34	ح	37	, 42
- 49     94     69     68     85       67     97     77     81     93       84     99     89     93     98	. 34 88 61 49 94 69 67 97 77 84 99 (2)		, 45		77	28
-     49     94     69     68     85       67     97     77     81     93       84     99     89     93     98	67 99 69 77 77 84 89	•	56		. 56	. 71
67 97 77 81 93 84 99 89 93 1 98	67 97 77 84 99 89 89 89 89 89 89 89 89 89 89 89 89		, 89 ,		. 02	, 48
86 68 89 1 88	84 66 48	77	188		81	66
			, 93 1		91	86
32 , 96 , 97	, 96	·	` <b>*</b>		6	

Table 16

Standard Score Norms for Males, Grades One to Three, on the Children's Interaction Matrix

. 17 . 18 . 18 . 19 . 20 . 20 . 21 . 22 . 23 . 24 . 25 . 25 . 25	17					•		•
	17			·	. ~	· }		
. 18 . 20 . 21 . 22 . 23 . 24 . 24 . 25 . 25 . 25	17		. ,	٠	-		t .	
	17		•	23				
•	17	, 31			•		•	, tc
	6	35	. 31	. 30		,		17
		39	34	33		•	29	35
,		43	38	. 37	33	30	34	1 0 E
24 25 26	. 29	, 46	41	40	. 37	3.7	38	<b>67</b>
. 26	33	, 50	45	43	. 42	38	. 45	<u>.</u> 97
. 26	37	54	67	. 47	. 47	. 42	. 46	5. 05
	, 41	<b>€</b> 58	52	. 50	15 - 1	. 47	51.	56
27	45	61,	. 56 .	24	56	, 51	,	. 75
28	67	. 65	59	57	09	55	. 59	61
29	53 ·	. 69		09	65	. 59	63	
30	57	73,	. 49	,	69	9	. 89	1 69 9
. 31	61				•	. 79	,	. 6
32			74		, , , , , , , , , , , , , , , , , , , ,	7.1	. 76	

rable 17

Standard Score Norms for Females, Grades One to Three, on the Children's Interaction Matrix

16			-	•				
		•	,			,		•
. (	•				•			
18		`		•	٠	•		
19		, 29	25	•				
20		33	. 28			23	•	26
21 \ /		37	. 31	. 30	30	•	30	. 30
22	, 21	41	35	33 %	34	•	33	34
23 .		45	. 38	36	38	33	36	37
24	30	. 87	41	40	42	37	70	41 ~
25		52	77	43	45	41	, 43	. 45
	38	-56	47	, 46 ,	, 64	77	. 97	67
27	43	09	, 20 °	50	53	. 87	50	. 52
28	47	99	53	53	. 57	51	53	56
29	51	. 19	56	99	61	55	, <b>26</b>	, 09
30	56	7.1	59	. 09	. 65	59	. 09	99
31	09	75	. 63	63	69	, 62	. 63	89
32 ,	79		99	. 29	73	, 99	99	

. Stanine Norms for Males, Grades One to Three, on the Children's Interaction Matrix ...

ı									*
P4	kaw Score	Raw Score 1.Conventional	2.Assertive	3. Speculative	4.Confrontive	5.Topic	6.Group	7.Personal	8.Relationship
	16					-	,		
	17 .			•				٠	
	18			~	, H				
	19		~. <b>H</b>						-
	20	H	. 2	н	•				-1
	21	,	, m	2	. 2			H	2
	22	,	<b>.</b>	<u>က</u>	<u>.</u> .	8	Н	7	ı en
30	. 23		~	• .	, - m	•	2	: ന	•
	24	2	z,	4		ო	<del>بة.</del> ئ	•	7
	25		9	ťΩ		4	`	, 7	·
,	56	, m	7		in in	'n	4	·	
	27	7		9	, <b>'</b> 9	. 9	. n	n vo	•
	28	. 2	∞	7		7	9		7
	29	9	6	œ	,	ø	7		• <u>,</u> &
	30					, O	∞	σ	• <b>•</b>
	31	7		,	æ	•	•	`	`
	32	œ		6			0		•
1		***************************************					1		

Table 19

Stanine Norms for Females, Grades One to Three, on the Children's Interaction Matrix

Raw Score	1.Conventional 2.Assertive	ive 3. Speculative	3. Speculative 4. Confrontive	5.Topic	6.Group	7.Personal	8.Relationship
16							
17		,			,	ı	
18	•		•				,
19	r-1	н					
20			}-		<del>,</del>		<b>⊣</b>
21			<b>ન</b>	н	l	<del>, -  </del>	
	1 . 3		. 2	84		1 2	2
23	<b>7</b>	ĸ	-	ო	7		l
24	. 10		m			en ₹	<b>ო</b>
25	٢	4	. 4	4	ო	4	4
26	9			'n,	. 4		ស
27	2 4	, <b>'</b>	53	, <b>v</b>	'n	5	
28	80	, ,	Á			. 9	<b>y¤</b>
29	53		•	7	9	بر.	
30	6	-	7	æ	7	, ,	∞.
31	7	8	<i>₹</i>	6	•	· œ	. თ
32	80		•		φ	•	
		-	•				.

Table 20

Percentile, Standard Score and Stanine Norms for the Total Acceptance Scale for Males, Grades One-Three

Raw Score	Percentile	Standard Score	Stanine
. 88	1	. 27	1
89	1 3	31	1
90	3	31	
91			
92	5	35	2
93	5 8	36	2
94	9	30	
95	•		
96	13	40	3
97	20	41	J
98	23	43	4
99	20	→ 44 → .	4
100	38	45	
101	42	47	
102	47	48	5
103	51	, , <sub>49</sub>	J
104 ·	53	51 ·	
105	58	52	
106 -	63	53	6
107	66	55	0
108 -	71	56	
109	76	57	
110	82	58	7
111 -	86	60·.	,
112	89		•
113		. 61	
114 .	•		
115	92	65	8
116	95	6,6	J
117	-	4,4	
118	97 👞	69	9
119			
120	•		•
121	•		
122			
123	•		
124 .			,
125	99	. 78	
126	,	,	

Table 21 Percentile, Standard Score and Stanine Norms for the Total Acceptance Scale for Females, Grades One-Three

Raw Score	Percentile	Standard Score	Stanine
. 89	2	30	. 1
90	2 5 6 8	31	*
91	6	32	
92 .	. 8	33	2
93	. 9	35	4
. 94	· · . 11	36 .	
95		50 ,	
96	12	38	3
97	14 .	39	J
98	16	40	
. 99	21	41	
100	24	42	
101	<b></b> ,	74	
102	28	44	4
103	33	45	. 4
104	36	47	
105	39	48	5
106	44	49	,
107	48	50	
108	51	51	
109	. 55	k 75 52	
110	59	53	6
111	62	54	J
112	65	55	•
113	71	56	•
114	75	57	
115 ·	79	59	7 -
116	83	60	•
117.	87	61	
118		<b>~-</b>	
119	91	63	8
120	•	, <del></del>	,
121	94	65	
122	· • • • • • • • • • • • • • • • • • • •	,	
123	96	67	
124	98 .	68	9
125	•	,	•
126	99	70	
127		•	
128	•		

Table 22

Percentile Norms for Grades Four, Five, Six - Males (N=348) on the Children's Interaction Matrix.

8.Relationship	11 12 17 13 13 13 146 64 73 88 88 93 100 100
7.Personal	10 10 10 10 10 10 10 10 10 10 10 10 10
6.Group	117 12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
5.Topic	100 100 100 100 100 100 100
4.Confrontive	25 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
3.Speculative 4.Confrontive	720 220 24 25 25 26 26 26 26 26 26 26 27 26 26 26 26 26 27 26 26 26 27 26 26 27 26 26 27 26 26 27 27 27 26 26 27 27 27 27 27 27 27 27 27 27 27 27 27
2. Assertive	10 10 10 10 10 10 100
1.Conventional	1 1 1 1 13 13 13 13 13 13 13 13 13 13 13
Raw Score	110 117 117 118 119 119 119 119 119 119 119 119 119

Table 23

Percentile Norms for Grades Four, Five, Six - Females (N=341) on the Children's Interaction Matrix

8.Relationship		, <b>,</b>	<b>-</b>	4	-	1.0	י	, _	. 11	16	22	၉	36	67	58	99	73	78	83	88	93	96	86	` , 66	l.	. 001	,				-	
7.Personal	,		<b>;</b>	4 0	, 1 (1	) 'V	, <b>v</b>		13	19	24	31	38	. 43	20	58	<b>6</b> 5	70	92	81	98	06	93	96	86	66	100	100				
5, Topic 6. Group			۱ ۸	i w	) 4	9	æ	· 11	15	20	26	34	42	20	58	- 49	70	75	. 82	.82	06	76	97	97	98	66	66	100	* 7			
5,Topic	: .		H	٠		ı m	<b>7</b>	'n	∞	11	16	. 22	,30	39	47	56	, 49	. 0/	92	82	98	90	94	96	86	86 0	66	<b>3</b> 00	100			
3.Speculative 4.Confrontive		<b>-1</b>	1 ≺‡		o	12	15	19	23.	27	,32	38	77	51	. 28	99	71	9/	81	82	68	92	94	, 96 *	. 97	66	66		.*	100		•
3.Speculative			H		<b>á</b>	7		, 6	, <b>12</b> .	17	. 23	29	35	41	84	. 55	62	69	92	<b>8</b>	84	87	. 06	93	96	` 86 . •	. 66	100	100	`		
2.Assertive		¢	7	4	9	01	<b>11</b>	22	. 29	38	. 87		99	71	76	 81	98	91	94	96	86	66	66	100			•	•	•			
1.Conventional	, e •	٠				<b></b>	<b>⊢</b> 1	ຸ ຕາ ເ	۱ ۲۰		o	77		21		, ,	, 0 <del>,</del>	<b>4</b> 1	400	20 .			0,7	<b>8</b>	06	94	86	. 66	100	•		
Raw Score	16 17	18		, 50 , 50	21		23	, 24 0-	<b>2</b> 2	9 5	72.6	8 7 8	67 0	S 5	77	25	2,5	) 4 ) F	35 26	200	70	0 0	o	) ;		7 7	3 :	<b>†</b> •	45	46	ν αγ	) F

Table 24

Raw Score	1.Conventional	2.Assertive	3. Speculative	4. Confrontive	5.Topic	6.Group	7.Personal	8.Relationship
. 91	- ^				5			•
17	· .	č	•	25				-
i e		<b>7</b> 7	24	. 27		<b>√</b> !	-	,
9 5	, (	200	. 56	28	2.1	`		
5	61	<b>8</b> 2	28	90	į	, 30	<b>C7</b>	7.7
70	•	30	30	33	30	C7 ,6		24
21	23	33	33	, , , 6	C7	87	29	•
22	26	35.	70 6	ָבָּי הַ	87	30	31	, 29
23	28	5 6	<b>3</b>	36 ,	30	32	33	31
24	) C	7	ક્ષ જ	38	32	34	. 32	
. 2		<del>2</del>	38	40	.34	36	37	), c.
7 7 6	32	42	<b>0</b> 7	41	37	) C	<u> </u>	000
9 <b>7</b>	34	747	75	! "		9 ?		38
27	36	77	2 C Y	) i	ر بري	40	∴ 41	, 0 <del>,</del>
28	o c			<b>4</b>	41	42	43	73
20	0 7	44	45	47	43,	77	57	) v
67 6	T <del>†</del>	. 51	47	46	46	. Y.	1,77	<u>}</u> -
2	43	53	. 67	: [	2 7		<b>,</b>	/ 4
31	. 45	ኒ ኒ	י י י	4 6	<b>0</b>	43	44	50
32		Y W	- -	70.	20	51	51	52
33	07	3 3	, FC	54	52	53	53	. 24
)	7 1	0 ;	55	. 56	55	55	55	. r
ָרָ הַ מַּרְ	T 9	62	. 57	58	57	57	) tr	\ \frac{1}{2}
C	53	. 99	59	9		5 6	9 (	ر د د
36.	56	29	. 19		0 5	ָרָאַ י	00	61
37	58		1 6	70	To	T9 .	62	94
38	-/-		°°°	40	63	63	99	99
<b>9</b>	• /«	T/	65	65	99	. 65	99	,
65 7	79	. 73	99 .	. 29	89	67	ά	0 5
5 ;	<b>79</b>	9/	89	69	. 20	3 6	9 6	17
41	99 .		202	25	2 5	2 6	2 1	/3
42	89	08	0 6		7/	7.7	72	
43	7.1	3	7/	£/ .		74	74	
77	1,7		, 4/ , _	. 75		92		,
45	ر ر بر		9/	`	79			
94					•			
47	•						,	
. 87			- 4		1			
<u>:</u> .		•	<i>(</i>	٠				
			>					

Table 25

Standard Score Norms for Grades Four, Five, Six - Females (N=341) on the Children's Interaction Matrix

A	1	15			5											•	•	3
8. Relationship	17	22 · 24	, 29	31 33	98 38	40 42	45	49. 52	54 56	28	6 <u>1</u>	65	67 70	72	77.	,	· :	-
7.Personal	22	27	29 31	33 35	37 39 ·	41 43 ·	97 ·	50.	52		28 90 90	62	6 6 7	67	69 . 71	73		
6.Group	, 22	28 38	30 32	, 34 36	38 40	45 44	, 46 48	50 52	54 56	57	61	63	65	69	. 71 . 73	77	•	
5.Topic	. 20	22 24	, 28 28	30 32	34 36	39 41	43 45	۔ 44 46 -	53.	55	57 59	61	6 4 6 7	89	70	74 76	8/	
3.Speculative 4.Confrontive 5.Topic 6.Group	2 <b>7</b> 29	23.3	34 	37	41	97	47	51 52	54 56	57	59 61	62	4 4 9	. 29	69 71	72		
3.Speculative	. 24	. 27	29 31		37 38	40 42	44	48 49 ·	. 51 53			09	79 97	, ° 99	98 20	71 73	Ç	
2.Assertive	24	29 31	33.3 35.0	37 40		94 64	51 53	55 57	62 62	64	69	71	75 75	77				٠,
1.Conventional	15	21	25	7 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	32 32 35	34 36	38 40	45 44	. 46	49	23	55	59	61		67	2	
Raw Score	16	19	21 21 23	23 23 24	25	26 27	78 78	31	32 , 33		3 % ?	200	ရှိ ရ	. 40	747	44 44 72	47 	87.



Table.26

Stanine Norms for Grades Four, Five, Six - Males (N=348) on the Children's Interaction Matrix

Raw Score	1.Conventional	2.Assertive	3. Speculative	4.Confrontive	5.Topic	6.Group	7.Personal	8.Relationship
16				1				Ŷ
18		H	H		,	•		, <del>H</del>
19	H				H	H	<b>⊢</b>	1
21		2	•			l ,		¢
22 23	•		, 2				7	
24		<b>ო</b>	က		2	2.	**	. , 2
	2	, <b>7</b>	•	, 4	ı ç	ر 8	ო	М
<b>,</b> ,	ന	, <b>v</b>	. 4	• .	) 4	7	7	7
30 30	7	9	Ŋ	'n.	, ru	Ŋ	'n	<b>15</b> 1
32	Ŋ	۲ ،	<b>.</b>	•		<b>9</b>	, 9	. 9
35 35 36	9	. ∞	7	7	o	7	7	
37	7 .	σ,	8	∞ .	æ	∞		∞ .
39 40 41	æ		6	·	6	<b>6</b>	6.	<b>o</b> n , ,
47 42 43	6				•	<b>.</b>	· -	 <b>(</b>
44 45	*		•	-				
46 47 48		٠						

. Table 27

Stanine Norms for Grades Four, Five, Six - Females (N=341) on the Children's Interaction Matrix

.8.Relationship	.H .4 W & V & Q
7.Personal	24 7 6 8 6 8 6 8 6 8 6 8 6 8 8 6 8 8 8 8 8
6.Group	1 2 6 4 5 9 6
5.Topic	H 4 10 1 8 6,
4. Confrontive	T 2 6 7 8 6
3.Speculative	1 2 E 4 2 2
2.Assertive	H 2 E 4 10 C 8 6
1.Conventional	L 4 3 2 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9
Raw Score	65. 444 444 444 444 444 444 444 444 444 4

, 35

Percentile, Standard Score, and Stanine Norms for Males, Grades Four, Five, Six (N=348) on the Total Acceptance Scale

Raw Score	Percentile ·	Standard Score	^Stanine
85 86 87 88 89 90 91 92 93 94 95	1 1 2 2 3 3 4	25 26 27 27 27 30 31 32	1
96 97 98 99 100 101 102 103 104 105 106 107 108	5 6 7 9 10 11 12 13 14 15	34 35 35 36 37 37 38 39 39	3
109 110 111 112 113 114 115 116 117	19 21 23 25 28 30 32 34	41 41 42 43 43 44 45 45 46 47	4
119 120 121 122 123 124 125 126 127 128 129 130	36 38 40 42 45 47 50 52 55 57 60 64 67	47 48 49 49 50 51 51 52 53 53 54 55	5

Table 28 (continued)

Raw Score	Percentile	Standard Score	Stanine
131	72		1.
132	· 72	. 56	*
133		57	
	77	57	
134	79	58	·7 ·
135	82	59	•
136	84	59	
137	85	60	
. 138	86	61	<del></del> .
139	e <b>'</b> 87	<b>61</b> , , , , ,	1
140	89	62	
141	89	63	<b>8</b>
142	. 90	<b>.</b> 63 ,	
143	92	<b>65</b>	•
144	93	65	,
145 ^	94	65	•
146	95 .	66.	
147	96 . ´	67 →	,
148	96	67.	, i
149 ′	97	68	9
150	98	69	in the state of th
151			#
152		• •	
153		i ·	- /
154	98 .	71	* •
155	, 99	72	•
156		••-	1
157 .	99 .	73.	
158	100	74	
159	100 ·	, , 75	

Table 29

Fercentile, Standard Score, and Stanine Norms for Females,
Grades Four, Five, Six (N=341) on the Total Acceptance Scale

Raw Score		Percentile	Standard Score	Stanine
* 83 84	,	1	26	1,
85· 86		. 2	28	•
≺ 87 88 89	-	2 2	. 29' . 29	
90 91	<b>&amp;</b> ,	3, 3,	. 31	
92 93	1	٠, ٠	31	
94 95 96 97	• •	4 5 5  7.	32 33 34 34	2 '
98 99 100 101	•	7. 8 9 10	. 35 . 36 . 36 . 37	•
102 103 • 104 105	•	11 11 13 14	37 . 38 39 <sup>-</sup> 39	3
106 107 108 109		16 18 18 20 21	40 40 41 42 42	•
110 111 112 113 114		21 22 25 27 28	. 42 43 43 44 45	4
115 116 117 · 118 ·	•	29 30 33 35	45 . 46 . 46 . 47	
119 120 121		38 40 43	48 48 49	; , <sup>5</sup>
122 123 124 125		46 50 53 55	49 50 51 . 51	
126 - 127		· 57 · 60	* 52 52	



(continued)

Table 29 (continued)

Raw Score	Perce	ntile	Standard So	core	Stanine
128	62	•	.53	_	6-
129	64		54 .		
130	67		54	•	•
131	• 69	-	55	•	
132	71		55 55	•	
133	73		56	٠,	
134	74		57		1
135	76	•	~ 57 ·		
136	77	_,	58′ •		` 7 ; '
137	79		58		,
138	81		59	,	•
139	83		60		*** **
140	. 84		60	,	•
141	. 86	• •	61		•
142	88	• *	61		,
143	89	a)	62	•	1
144	91		63 -		·. 8
145	93	-	63		. 0
<b>→ 146</b>	. 94		64		
147	94		65		
148	94	•	· 65		
149	95	•	.66		
150	95		.66		8
151 .	• 00		- 67		
152	96		68		0
153	96		· 68		· . y ·
154	97		69		•
155	98		69		1
156	98	•	· 70		<i>:</i>
157	90		, 71		•
158	. 99		72		
159	, 99		12		ŧ
160	. 2.3	•		•	•
161					•
162	99		. 74		•
163	. 99		<u> </u>	•	
164	· 100	-	75		•
165	. , 100		75		•
166					
167	100		77		,
10/	. 100		77		•

Distribution by grade, sex and community of norm group

. ` .	Male	Female	Total	
Grade - 1	28	19	47	
2	65	70	135	
3	60	62°.	122	
4	` 146 .	127	273	
5	129	135	264	
. 6	73	79	152	
7	21	11	32	
8	11	13	24	
Total.	.533	516	, 1049	/
Cincinnati, Ohio Columbus, Ohio Merrimack, N.H.	202 341 212	. ,		
Veazie, Me. Skowhegan, Me.	194 100			



### Scoring

# Children's Interaction Matrix - Primary Form

The item responses from test booklet should be transferred to a profile sheet (See Table 31). "Yes" responses are given the weight of "2" and "no" responses the weight of "1".

Specific scale scores are obtained as follows:

<u>Conventional Scale</u> - Add the scores in the four cells of the first row; Topic, Group, Personal and Relationship, to get the total Conventional scale score.

Assertive Scale - Add the scores in the four cells of the second row; Topic, Group, Personal and Relationship, to get the total Assertive Score.

Speculative Scale - Add the scores in the four cells of the third row; Topic, Group, Personal and Relationship to get the total Speculative Score.

Confrontive Scale - Add the scores in the four cells of the fourth row; Topic, Group, Personal and Relationship, to get the total Confrontive Score.

Topic Score - Add the scores of the items in Column one.

Group Score - Add the scores of the items in Column two.

Personal Score - Add the scores of the items in Column three.

Relationship Score - Add the scores of the items in Column four.

Total Acceptance Score - Add the sum of the Topic scores. Add the sums of the Work Style Scores. These sums should be the same if you have added correctly. This number is the Total Acceptance Score.

# Children's Interaction Matrix - Intermediate Form

The item responses from the test booklet should be transferred to a profile sheet (See Table 31). "Usually" responses are given the weight of "3", "Sometimes" the weight of "2", and "Not Often" the weight of "1".

First compute the scores for each of the 16 cells. Example: Add the Topic-Conventional items (24,26,48,63) and record the same by T.

Add the Group Conventional items (9,19,25,37) and record the sum by the T directly under the set of items. Personal-Conventional items are 1, 15 41, 64. Relationship-Conventional items are 11, 38, 49, 58. Work Style and Content scores are then obtained by the procedure described for scoring the Primary Form.

## Total Acceptance Score

Add the sums of the Topic Scale, Group Scale, Personal Scale and Relationship Scale. Add also the scores of the four work style scales. The sums of both should be the same if you have added correctly. This number is the Total Acceptance Score.



Table 31

	NAM	E,				GRADE	<u> </u>	SEX
	SCH	00L	•		•		· ·	AGE
		TOPIC		GROUP	PE	RSONAL	RELA	rionșhip -
,	24		9	<u> </u>	1	, ,	- 11	
NAL	26	<u>.                                    </u>	19	•	· 15	•	38	,
CONVENTIONAL	48	•	. 25	<del></del>	41		49	·
ONVE	63	· .	.37		64		. 58	
0	<b>T</b>		т.		T		·T	
	13	·	14		4		7	
冠	27		20		. 32		′. 10	-
RII	51		.22		55 ·	,	16	
ASSERTIVE	57	·	39		59	,	40	
	T	,——	T	•	T	*************	T	•
	3	٠,	17		18		5	
VE.	6		. 30	<del></del>	31		44	
SPECULATIVE ·	29		52		36		53	
PECU	54	•	60	,	43		· 61 ·	
.' .'	T		т		Т	****	T	
	28	-	. 8	,	12		2	
FI	33		, 21		35		23	
NTIN	45		34		56	£	42	
CONFRONTIVE	50	<del>;</del>	46	***************************************	62	-	47	(4)
Ś	T.	· · · · · · · · · · · · · · · · · · ·	T		T	,	T	•
	<b>T</b> .	,		-			•	,

# CHILDREN'S INTERACTION MATRIX INTERMEDIATE FORM

This form is intended for use with students in grade four to grade eight. Read the questionnaire to yourself before giving it:

The test can be administered in groups in three different ways:

- Students, after being given directions for taking the inventory, can read the test themselves and respond on the test booklet or separate answer sheet.
- 2. The teacher can read the test to the students or use a tape recording of the items and have the students make their responses on the separate answer sheet.
- 3. The teacher can read the items aloud while the students.

  read them silently and the students mark their responses

  on the test booklet.

Allow at least 35 minutes for the test. Slow readers will tend to take longer. Fast readers will take shorter periods of time.

The directions should be read to the students.

CHILDREN'S INTERACTION MATRIX
INTERMEDIATE FORM

	,	,- <b>*</b>	DATE		· ·
NAME	<u> </u>	•	 AGE	Sex	
GRADE	·	SCHOOL	 ٠,	•	

This questionnaire contains sixty-four items describing how kids act or feel when they are with their friends. Read each item and decide how you normally act or feel. There are not right or wrong answers. Your best answer is the one that first comes to mind.

In answering the items on this questionnaire read each item and then decide how you normally act or feel. You are asked to respond whether you "usually" do this or feel this way, "sometimes" do this or feel this way, or "rarely" or "not often" do this or feel this way.

Now look at the first item on the test. It says: I like to talk to other kids about my family, my school, my homework, and my hobbies. Below the item you see three choices "usually," "sometimes," and "not often." Circle the choice which best describes how you normally act or feel. For example if you talk to kids all the time about these things you would circle "usually."

Now begin with item one and circle the response which best describes how you normally act or feel when you are with your friends. Do this for all the items on the questionnaire.

Drummond, McIntire, Muro, and Brown, University of Maine, Orono, 1975.



1. I like to talk to other kids about my family, my school, my homework and my hobbies.

USUALLY SOMETIMES NOT OFTEN

When they ask me, I tell other kids what I think of them.

USUALLY SOMETIMES NOT OFTEN

 I like to talk with other kids about the way people think, feel and act.

USUALLY SOMETIMES NOT OFTEN

4: I like to take the side of a classmate who is being picked on.

USUALLY SOMETIMES NOT OFTEN

5. In a group I like to ask questions about how individuals feel about each other.

USUALLY SOMETIMES NOT OFTEN

6. I like to know why people do the things they do.

USUALLY SOMETIMES NOT OFTEN

- 7. Kids need to be "told off" a lot.

  USUALLY SOMETIMES NOT OFTEN
- When a group of my friends are not getting along well, I try to help them get along better.

USUALLY SOMETIMES NOT OFTEN

9. I ask people to repeat what they have said when I don't understand them.

USUALLY SOMETIMES NOT OFTEN

10. I like to say unkind and mean things to other kids.

USUALLY SOMETIMES NOT OFTEN

11. I try to say and do things that will help others.

USUALLY SOMETIMES NOT OFTEN

12. When others tell me that I am misbehaving, I try to learn from what they say.

USUALLY - SOMETIMES NOT OFTEN

13. Even though other kids don't like my ideas, I stick to them anyway.

USUALLY SOMETIMES NOT OFTEN

14. I like to take the side of boys or girls who disagree with the group.

USUALLY SOMETIMES NOT OFTEN

• 15. I like to know something about the families, the homes, and the hobbies of other kids.

USUALLY SOMETIMES NOT OFTEN

16. I let others know what I think of them.

USUALLY SOMETIMES NOT OFTEN

17. I like to tell my friends how they might do things better.

USUALLY SOMETIMES NOT OFTEN

18. I ask other people for help when I have a personal problem.

USUALLY SOMETIMES NOT OFTEN

19. I like to plan and start group discussion, games and things like that.

USUALLY SOMETIMES NOT OFTEN

20. Boys and girls don't know how to help each other with their problems.

21. If kids can't agree on what they are going to do, I ask them why they can't agree.

USUALLY SOMETIMES NOT OFTEN

22. Kids talk about everything except what they start out talking about.

USUALLY SOMETIMES NOT OFTEN

23. I try to get kids to think about how they feel and act toward each other.

USUALLY SOMETIMES NOT OFTEN

24. I like to talk about things that are going on in the world today.

USUALLY SOMETIMES NOT OFTEN.

25. I like to help to plan what the group does in its meetings.

USUALLY SOMETIMES NOT OFTEN

26. I like to talk with other kids.

USUALLY SOMETIMES NOT OFTEN

27. I like to complain about my parents, my teacher, the principal to my classmates.

USUALLY SOMETIMES NOT OFTEN

28. I like to try to help others see how each person has good and help-ful ideas.

USUALLY SOMETIMES NOT OFTEN

29. I like to talk about why other kids get upset and angry.

USUALLY SOMETIMES NOT OFTEN

30. I try to figure out if friends I'm with now are better or worse than friends I've had before.

USUALLY SOMETIMES NOT OFTEN

31. I try to help kids when they have problems with their parents or other kids.

USUALLY SOMETIMES N

NOT OFTEN

32. When kids tell me that I don't do something very well, I tell them they have faults too.

USUALLY SOMETIMES NOT OFTEN

33. When my friends talk about their problems, I like to talk about why they have those problems.

USUALLY SOMETIMES NOT OFTEN

34. I tell others how I think they are doing and where they are making mistakes.

USUALLY SOMETIMES NOT.OFTEN

35. When people say one thing and do the opposite, I tell them about it.

USUALLY SOMETIMES NOT OFTEN

36. I like to have other kids help me to know what I am really like.

USUALLY SOMETIMES NOT OFTEN

37. In a group I'm the one who asks what we are going to do and how we are going to do it.

USUALLY SOMETIMES NOT OFTEN

- 38. I like to praise my friends when they do a good job.
- 39. I disagree with the way kids I'm with do things.

USUALLY SOMETIMES NOT OFTEN

40. I like to make fun of others.

41. I like to know all about my classmates.

USUALLY SOMETIMES NOT OFTEN

42. I tell other kids how I feel toward them, even if it may hurt their feelings.

USUALLY SOMETIMES NOT OFTEN

43. I am willing to tell others all I know about myself.

USUALLY SOMETIMES NOT OFTEN

44. When I tell my friends what I think of them, I try to do it in a way that doesn't hurt their feelings.

USUALLY SOMETIMES NOT OFTEN

45. I try to help others understand a problem when they are having trouble figuring something out.

USUALLY SOMETIMES NOT OFTEN

46. If one person is keeping us from doing what we want to do, I complain to the others.

USUALLY SOMETIMES NOT OFTEN

47. I try to find out how other kids feel about the things that I say and do.

USUALLY SOMETIMES NOT-OFTEN

48. I like to hear and tell gossip.

USUALLY SOMETIMES NOT OFTEN

49. I like to tease other kids.

USUALLY SOMETIMES NOT OFTEN

50. I try to get my friends to talk about the way they think and feel about things.

USUALLY SOMETIMES NOT OFTEN

51. Kids don't really understand much about most of the problems they see and hear.

DSUALLY SOMETIMES NOT OFTEN

52. I have to tell the others my ideas about what the gang is doing:

USUALLY SOMETIMES NOT OFTEN

53. I like to get boys and girls to talk about how they feel about each other.

USUALLY SOMETIMES NOT OFTEN

54. People need to know more about why they think, feel, and act the way they do.

USUALLY SOMETIMES NOT OFTEN

55. I get angry when my friends tell , me I am not the kind of person that I should be.

· USUALLY SOMETIMES NOT OFFEN

56. I try to get my classmates to do something about their problems even if they don't want to.

USUALLY SOMETIMES NOT OFTEN

57. I like to argue with other kids.

USUALLY SOMETIMES NOT OFTEN

58. I like to be close friends with > other kids.

USUALLY SOMETIMES NOT OFTEN

59. People who talk about their troubles make me mad.

USUALLY SOMETIMES NOT OFTEN

60. I tell the gang how I think it is doing.

51

il. When someone asks me if I like them or not, I usually tell them.

USUALLY SOMETIMES NOT OFTEN

62: I try to find out what my friends really think about me.

USUALLY SOMETIMES NOT OFTEN

- 63. I like to be with groups of kids.
  USUALLY SOMETIMES NOT OFTEN
- 64. I like to meet new people and find out about them.

# CHILDREN'S INTERACTION MATRIX PRIMARY FORM

Directions for Administration

This form is intended for first, second and third grade students.

The test is to be read to students by the examiner or teacher. It is, suggested that the test be administered to the students at two separate periods since children at this age level often cannot sustain interest for 64 questions at one sitting:

#### Preparation

Read the inventory to yourself several times before giving it. It may be wise to record the items of the test on a recorder so that you will be free to supervise the testing and answer any questions that arise. The students will circle their answers on a separate answer sheet. It is usually desirable for you to write the names of students on the answer sheets.

Pupils will need a pencil, crayon or marker. You will need to allow at least 25 minutes for each half of the inventory. Repeat each item twice when reading the test to the students. Have the students cross out unwanted responses with an X so you can identify the items for which they changed their minds.

Draw an example of the response box for the sample item on the board.

### Procedure

Distribute the answer sheet and pencils.

Read: This is a set of questions about how you act or feel when you are with other kids. Listen carefully to the questions I read to you



(or is read to you on tape) and decide whether you usually act or feel this way. If you (do) circle YES on your answer sheet in the box I name. If you do not act or feel this way circle NO on your sheet of paper. Everyone find the answer box in the first column with a ball in the center. Now let's try a practice question. The question is:

Do you like to do things with other kids? If you do, circle YES. Y-E-S with your pencil. If you don't like to, circle NO, N-O with your pencil.

Now that we have finished the practice question, find the box with the square right under the one with the ball. (Square #1) Do you like to talk with other kids about your family and school?

Drummond, McIntire, Muro, and Brown, University of Maine, Orono, 1975.

# CHILDREN'S INTERACTION MATRIX PRIMARY FORM

Square 1. DO YOU LIKE TO TALK TO OTHER KIDS ABOUT YOUR FAMILY AND SCHOOL?

Star 2. DO YOU LIKE TO TELL KIDS WHAT YOU THINK OF THEM WHEN THEY ASK YOU?

Car 3. DO YOU LIKE TO TALK TO OTHER KIDS ABOUT WHY THEY ACT THE WAY THEY DO?

House 4. DO YOU "STICK-UP" FOR A FRIEND WHO IS BEING PICKED ON?

Diamond 5. DO YOU LIKE TO ASK KIDS HOW THEY FEEL ABOUT EACH OTHER?

Flower 6. DO YOU LIKE TO KNOW WHY PEOPLE ACT THE WAY THEY DO?

Glasses 7. DO YOU THINK SOME KIDS IN YOUR GROUP NEED TO BE TOLD OFF BY THE OTHER KIDS?

Hat 8. DO YOU LIKE TO TRY TO FIGURE OUT WHY SOME KIDS DON'T GET ALONG WITH EACH OTHER?

## NOT. FIND THE TRIANGLE AT THE TOP OF THE PAGE

Triangle 9. WHEN KIDS SAY SOMETHING TO YOU AND YOU DON'T UNDERSTAND WHAT THEY MEAN, DO YOU ASK THEM TO REPEAT IT?

Tree 10. DO YOU LIKE TO SAY MEAN THINGS TO OTHER KIDS?

Boat 11. DO YOU LIKE TO DO AND SAY THINGS THAT WILL HELP OTHER KIDS?

Wagon 12. DO YOU TRY TO LEARN FROM PEOPLE WHEN THEY SAY YOU ARE DOING WRONG?

Plane 13. DO YOU LIKE TO STICK UP FOR YOUR IDEAS EVEN IF OTHER KIDS DON'T LIKE THEM?

Clock 14. DO YOU LIKE TO STICK UP FOR KIDS THAT OTHERS DON'T LIKE?

Truck 15. DO YOU LIKE TO FIND OUT ABOUT THE FAMILY AND HOMES OF YOUR FRIENDS?

Scissors 16. DO YOU LIKE TO LET OTHER KIDS KNOW WHAT YOU THINK OF THEM?

Heart , 17. DO YOU LIKE TO TELL KIDS HOW THEY CAN DO THINGS BETTER?

TURN TO THE NEXT PAGE. FIND THE BOX WITH THE BALL IN THE FIRST COLUMN.

Ball 18. DO YOU ASK PEOPLE FOR HELP WHEN YOU HAVE A PROBLEM?

Square 19. DO YOU LIKE TO BE THE ONE WHO PLANS AND STARTS GAMES?

Star 20. DO YOU LIKE TO HELP OTHER KIDS WHEN THEY HAVE PROBLEMS?

Car 21. DO YOU THINK IT IS WRONG FOR KIDS TO ARGUE WITH EACH OTHER WHEN THEY CAN'T AGREE?

nouse 22. DO YOU TELL YOUR FRIENDS WHEN THEY RE NOT PAYING ATTENTION?

Diamond 23. DO YOU LIKE TO GET KIDS TO THINK ABOUT HOW THEY ACT TOWARD THEIR FRIENDS?

Flower 24. DO YOU LIKE TO TALK ABOUT WHAT'S GOING ON IN THE WORLD TODAY?

Glasses 25. DO YOU LIKE TO PLAN WHAT OTHER KIDS WILL DO?

Hat 26. DO YOU LIKE TO TALK WITH OTHER KIDS?

GO TO THE TOP OF THE PAGE AND FIND THE BOX THAT CONTAINS THE TRIANGLE.

Triangle 27. DO YOU LIKE TO DISAGREE WITH YOUR TEACHERS AND YOUR PARENTS?

Tree 28. ARE YOU INTERESTED IN WHAT OTHER KIDS SAY IN CLASS?

Boat 29. DO YOU LIKE TO TALK ABOUT WHY OTHER KIDS GET MAD?

Wagon 30. DO YOU COMPARE FRIENDS THAT YOU'VE HAD BEFORE WITH FRIENDS THAT YOU HAVE NOW?

Plane 31. DO YOU TRY TO HELP WHEN KIDS HAVE PROBLEMS WITH THEIR PARENTS OR WITH THEIR FRIENDS?

Clock . 32. WHEN KIDS TELL YOU YOU'RE WRONG, DO YOU TELL THEM OFF?

Truck 33. DO YOU LIKE TO TALK ABOUT WHY KIDS HAVE THE PROBLEMS THEY DO?

Scissors 34. DO YOU LIKE TO TELL KIDS HOW WELL THEY ARE DOING?

Heart 35. WHEN KIDS SAY ONE THING AND DO ANOTHER, DO YOU TELL THEM?

TURN THE PAGE AND FIND THE BOX WITH THE BALL AT THE TOP OF THE PAGE

Ball 36. DO YOU LIKE YOUR FRIENDS TO TELL YOU WHAT YOU ARE LIKE?

Square 37. DO YOU LIKE TO ASK OTHER KIDS WHAT YOU SHOULD DO AND HOW YOU SHOULD DO IT?

Star 38. DO YOU LIKE TO TELL OTHER KIDS WHEN THEY DO THINGS RIGHT?

Car 39. DO YOU LIKE TO DISAGREE WITH THE WAY KIDS DO THINGS?

House 40. DO YOU LIKE TO MAKE FUN OF OTHER KIDS?

Diamond 41. DO YOU LIKE TO KNOW ABOUT OTHER KIDS?

Flower 42. DO YOU TELL OTHER KIDS HOW YOU FEEL ABOUT THEM EVEN IF IT MAY HURT THEIR FEELINGS?

Glasses 43. DO YOU LIKE TO TELL YOUR FRIENDS ALL ABOUT YOURSELF?

Hat 44. DO YOU TRY NOT TO HURT KIDS' FEELINGS WHEN YOU TELL THEM WHAT YOU THINK OF THEM?



GO TO THE TOP OF THE PAGE AND FIND THE BOX THAT CONTAINS THE TRIANGLE

Triangle 45. DO YOU TRY TO HELP KIDS WHEN THEY NEED HELP?

Tree 46. WHEN ONE KID DISTURBS THE OTHER KIDS, DO YOU TRY TO MAKE HIM STOP?

Boat 47. DO YOU WANT TO KNOW HOW OTHER KIDS FEEL ABOUT YOU?

Wagon 48. DO YOU LIKE TO HEAR YOUR FRIENDS SECRETS?

Plane 49. DO YOU LIKE TO JOKE WITH PEOPLE?

Clock 50. DO YOU LIKE TO GET KIDS TALKING ABOUT HOW THEY ACT AND HOW THEY FEEL?

Truck 51. DO YOU THINK THAT YOUR FRIENDS HAVE PROBLEMS YOU DON"T KNOW ABOUT?

Scissors 52. DO YOU LIKE TO TELL OTHER KIDS YOUR THOUGHTS ABOUT THEM?

Heart 53. DO YOU LIKE TO GET KIDS TALKING ABOUT HOW THEY FEEL ABOUT EACH OTHER?

TURN THE PAGE. FIND THE BOX WITH THE BALL AT THE TOP OF THE PAGE.

Ball 54. DO YOU FEEL THAT KIDS NEED TO KNOW WHY THEY ACT THE WAY THEY DO?

Square 55. DO YOU GET MAD WHEN FRIENDS TELL YOU YOU'RE DOING SOMETHING YOU SHOULDN'T?

Star 56. DO YOU LIKE TO GET KIDS TO DO SOMETHING ABOUT THINGS THAT BOTHER THEM EVEN WHEN THEY DON'T WANT TO?

Car 57. DO YOU LIKE TO ARGUE WITH OTHER KIDS?

House 58. DO YOU LIKE TO BE CLOSE FRIENDS WITH OTHER KIDS?

Diamond 59. DO KIDS WHO TALK ABOUT THEIR PROBLEMS MAKE YOU MAD?

Flower 60. WHEN YOU ARE DOING GROUP WORK, DO YOU LIKE TO TELL THE KIDS HOW YOU THINK THINGS ARE GOING?

Glasses 61. WHEN KIDS ASK YOU IF YOU LIKE THEM, DO YOU TELL THEM?

Hat 62. DO YOU TRY TO FIND OUT WHAT OTHER KIDS THINK ABOUT YOU?

GO TO THE TOP OF THE PAGE AND FIND THE BOX WITH THE TRIANGLE.

Triangle 63. DO YOU LIKE TO BE WITH OTHER KIDS?

Tree 64. DO YOU LIKE TO FIND OUT ABOUT OTHER KIDS?

AGE.

GRADE

TEACHER

SCHOOL

YES



NO

YES



NO

YES



NO

YES



YES



NO

NO

YES



NO

YES



NO

YES



NO

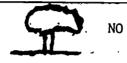
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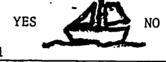
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YES NO .

YES



YES





YES



NO

YES



NO

NO

YEŞ



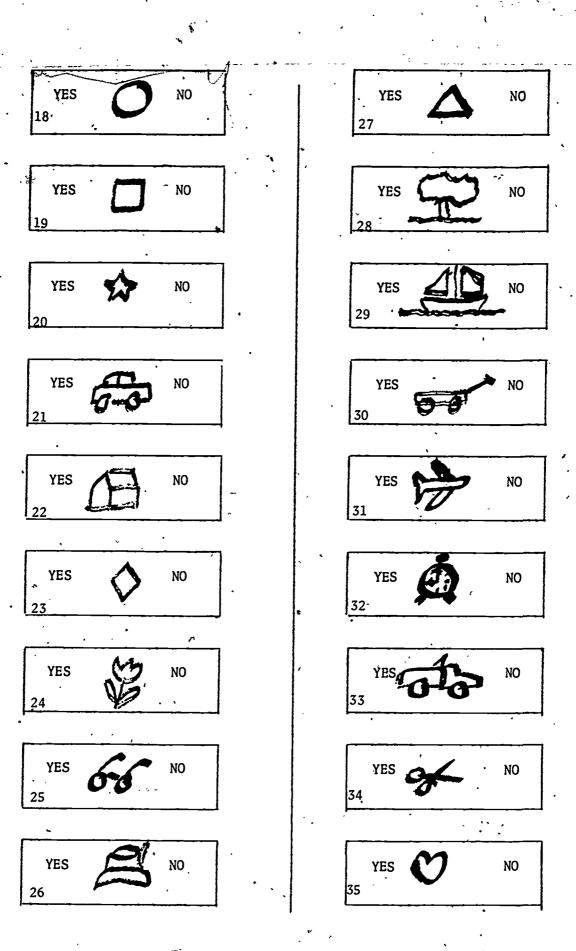


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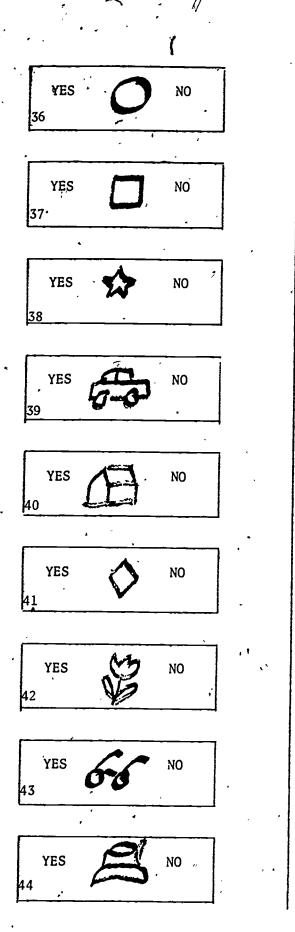
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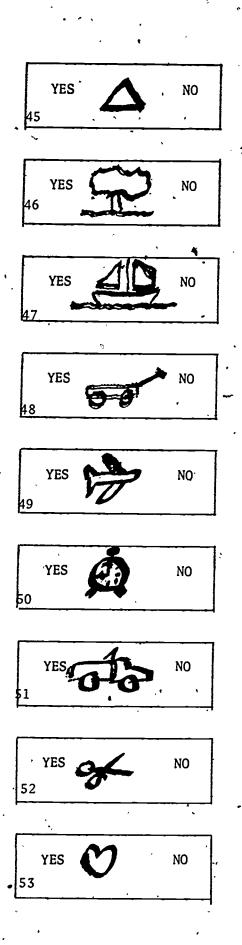


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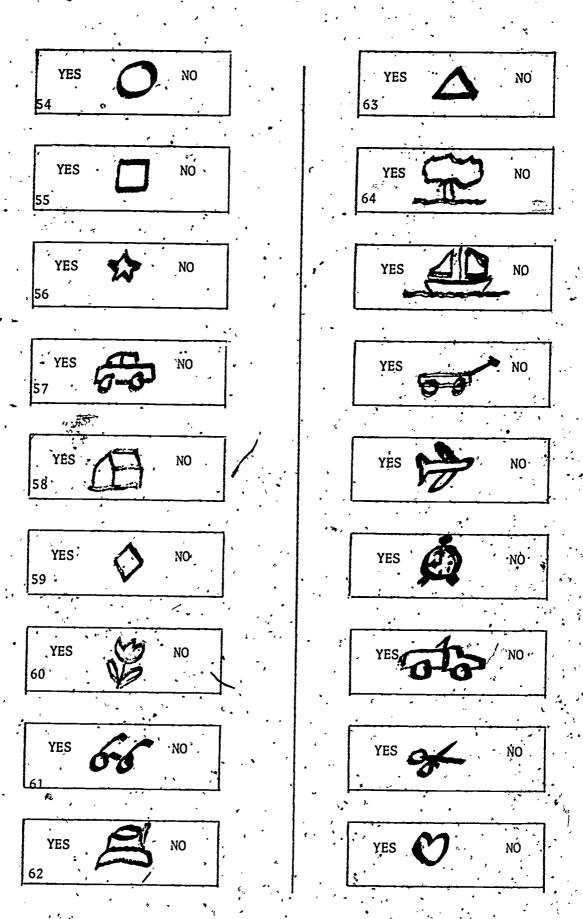








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