Four People Seated at a Table

Percentage of Students Producing Acceptable Drawings

70

65

60

55

50 + .5-10 Kinds

45 + 5 or More   + 2 Classes
         Times
        Once +
40 1-2 Kinds + 3-4 Kinds   + Yes   + 1 Class
                                          + Never
35 + No   + Never

30

25 + None

20
      Do Art   Art Taught in School   Visit Art Museums   Attend Art Classes

Running Person

Percentage of Students Producing Acceptable Drawings

70

65

60

55

50

45

40 + No   + 5 or More   + 2 Classes
       + 5-10 Kinds   Times
   + 3-4 Kinds   + Yes
None +   + Once
35 + 1-2 Kinds   Never   Never   + 1 Class

30

25

20
      Do Art   Art Taught in School   Visit Art Museums   Attend Art Classes

88

97

FIGURE 21. The Relationship of Selected Background Questions to
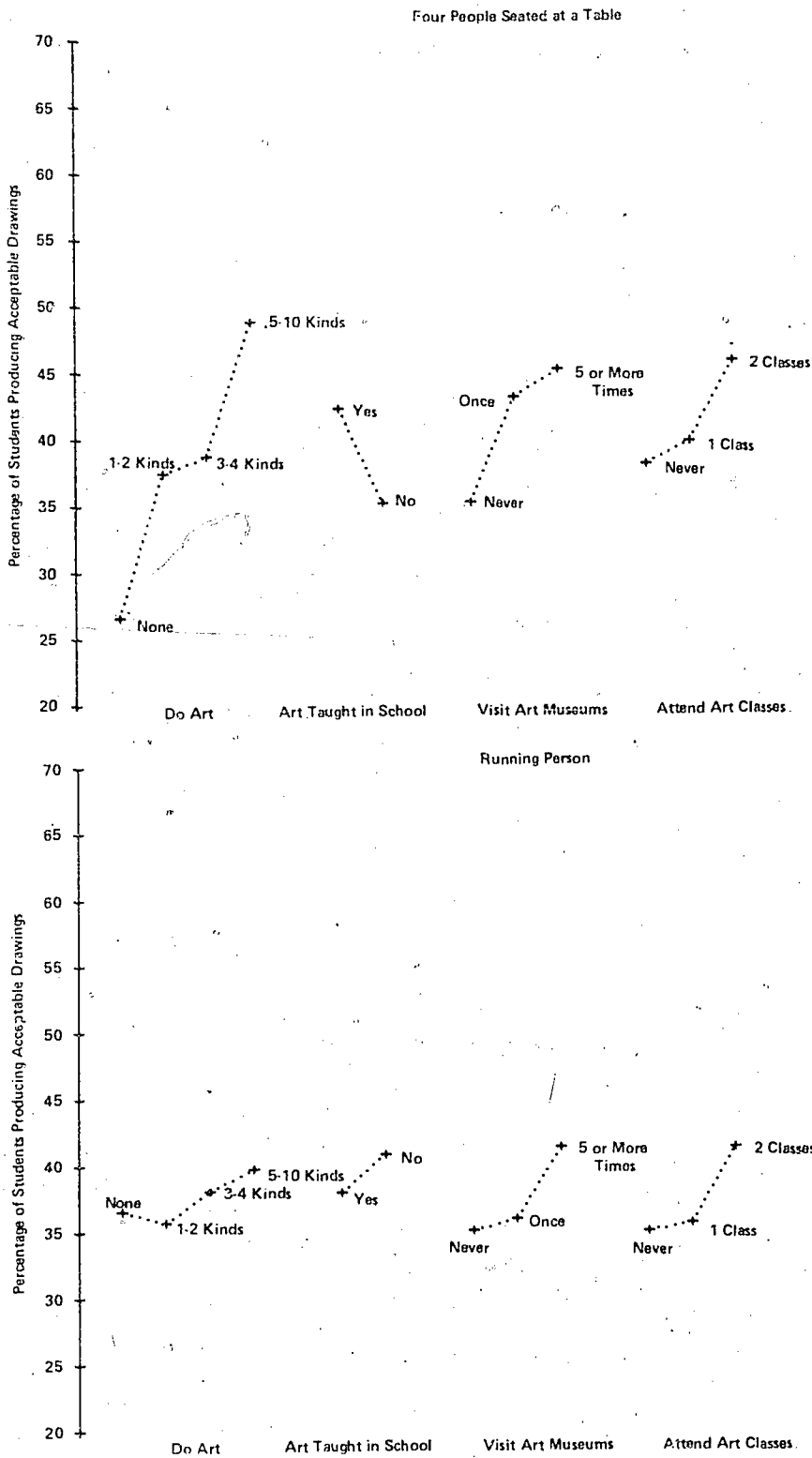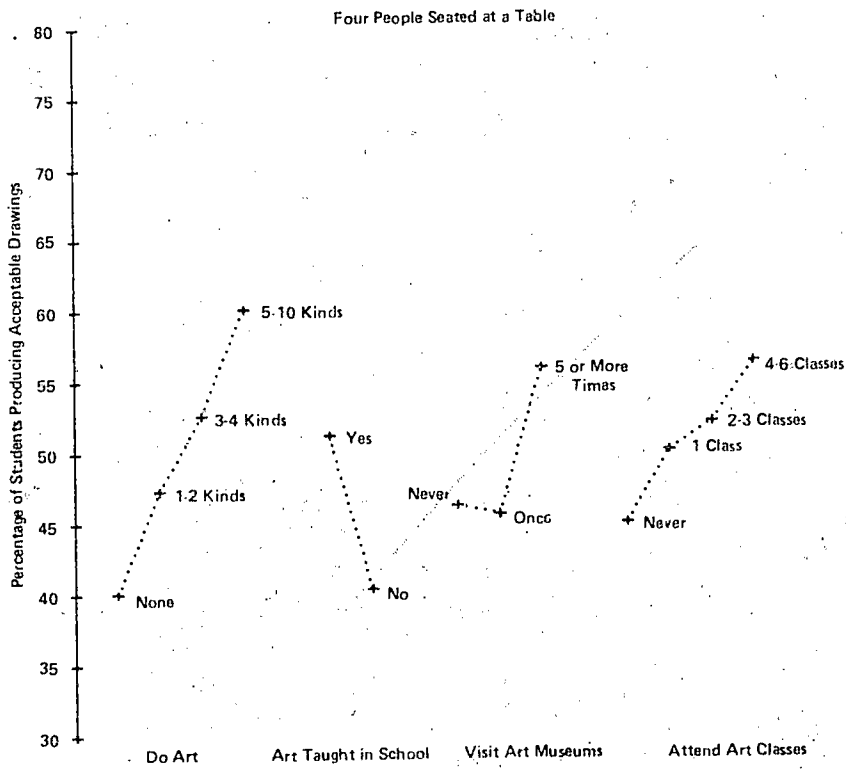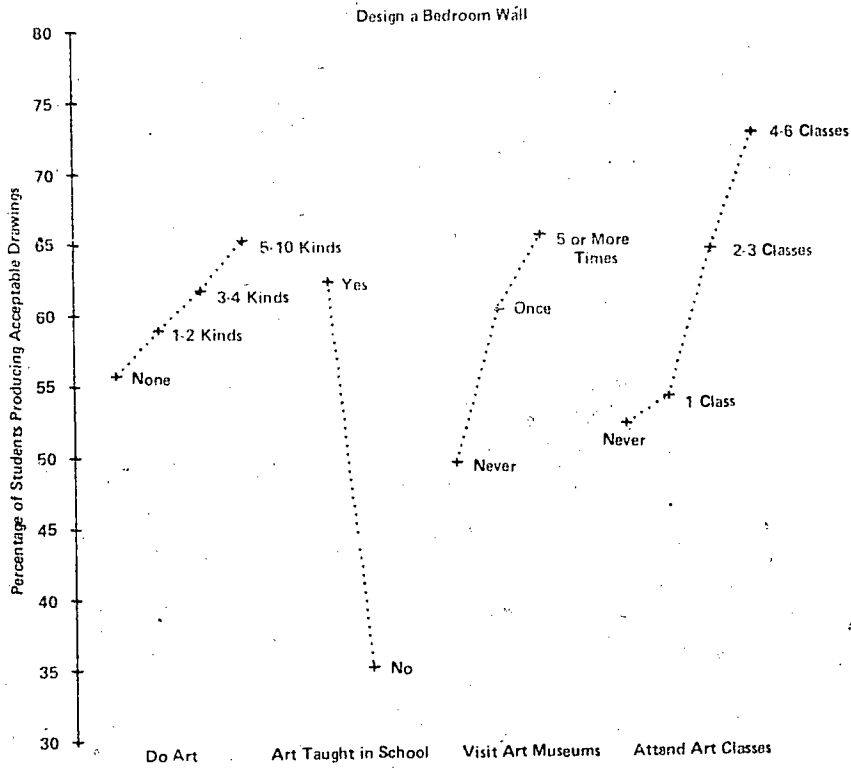Achievement on Drawing Exercises: Age 17

Design a Bedroom Wall

Percentage of Students Producing Acceptable Drawings

80
75
70
65 — + 5-10 Kinds   + 5 or More   + 2-3 Classes
                                      Times
60 — + 3-4 Kinds   + Yes   + Once
     + 1-2 Kinds
55 — + None   + 1 Class
                                           + Never
50 —   + Never
45
40
35 —   + No
30

     Do Art   Art Taught in School   Visit Art Museums   Attend Art Classes

+ 4-6 Classes

Four People Seated at a Table

Percentage of Students Producing Acceptable Drawings

80
75
70
65
60 — + 5-10 Kinds
55 —   + 5 or More   + 4-6 Classes
                                       Times
     + 3-4 Kinds   + Yes   + 2-3 Classes
50 —   + 1 Class
     + 1-2 Kinds   Never
45 —   + + Once   + Never
40 — + None   + No
35
30

     Do Art   Art Taught in School   Visit Art Museums   Attend Art Classes

89

APPENDIX A

SELECTED GROUP RESULTS FOR EACH EXERCISE

Reporting Variables

Sex

Results are presented for males and females.

Race

Currently, results are reported for blacks and whites.

Size and Type of Community

Community types are identified both by the size of the community and by the type of employment of the majority of people in the community.

High metro, high-socioeconomic or affluent urban and suburban communities. Areas in or around cities with a population greater than 200,000 where a high proportion of the residents are in professional or managerial positions.

Low metro, low-socioeconomic or impoverished urban. Areas in or around cities with a population greater than 200,000 where a high proportion of the residents are on welfare or are not regularly employed.

Rural. Areas with a population under 10,000 where most of the residents are farmers or farm workers.

Urban fringe. Communities within the metropolitan area of a city with a population greater than 200,000, outside city limits and not in the high- or low-socioeconomic urban groups.

Main big city. Communities within the city limits of a city with a population over 200,000 and not included in the high- or low-socioeconomic urban groups.
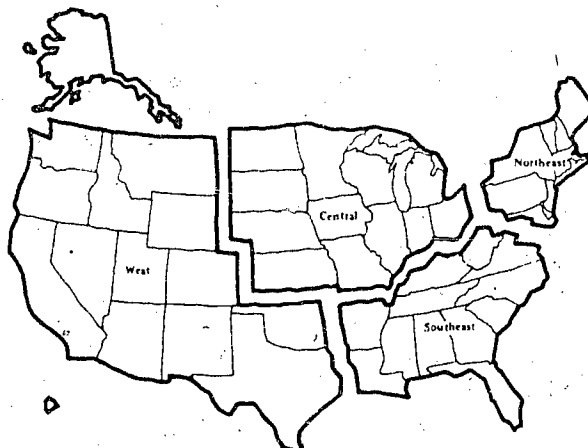
Medium city. Cities with populations between 25,000 and 200,000.

Small places. Communities with a population of less than 25,000 and not in the rural group.

Region

The country has been divided into four regions — Northeast, Southeast, Central and West. The states that are included in each region are shown in Figure 22.

Figure 22. National Assessment Geographic Regions

Parental Education

Four categories of parental education are defined by National Assessment. These categories include: (1) those whose parents have had no high school education, (2) those who have at least one parent with some high school education, (3) those who have at least one parent who graduated from high school and (4) those who have at least one parent who has had some post-high school education.

100

TABLE 1. Bedroom-Wall Design: Percentage of Students Giving Acceptable Responses

	National	South-east	West	Central	North-east	Male	Female	Black	White	No High School	Some High School	Graduated High School	Post High School	Low Metro	Extreme Rural	Small Places	Medium City	Main Big City	Urban Fringe	High Metro
Age 9	39.9	-6.2	-2.9	4.8	3.1	-2.5*	2.2*	-11.1*	3.0*	-3.3	-6.2	-1.6	5.2*	-17.1*	-9.9	2.0	3.8	4.1	1.2	4.1
Standard error	1.7	3.5	2.8	2.9	2.8	1.0	0.9	4.0	0.8	5.9	5.8	2.6	1.6	3.5	5.6	2.2	3.5	4.2	4.9	5.9
Age 13	54.9	-13.4*	-0.9	4.8	7.5*	-1.8	1.2	-30.4*	4.3*	-2.6	-8.4*	-2.3	7.6*	-10.5	-16.1*	2.8	-0.6	1.7	1.9	15.2*
Standard error	1.6	2.6	3.4	2.4	2.4	1.3	1.2	3.0	0.8	5.2	3.7	1.7	1.2	6.7	5.9	2.0	5.4	4.0	4.5	5.2
Age 17	61.2	-14.2*	3.6	4.7*	3.0	1.7	-1.7	-21.5*	3.2*	-10.1*	-16.0*	-2.1	6.7*	-0.9	-12.5*	-0.4	-2.3	10.1*	0.9	6.5
Standard error	1.5	2.9	2.4	2.2	2.9	1.2	1.2	3.3	0.7	4.3	4.5	1.9	1.1	3.9	4.9	2.0	5.3	4.1	4.5	4.4

*Denotes a significant difference from the nation.

TABLE 2. Bedroom-Wall Design: Percentage of Student Responses in Each Design and Imagination Category

	National	South-east	West	Central	North-east	Male	Female	Black	White	No High School	Some High School	Graduated High School	Post High School	Low Metro	Extreme Rural	Small Places	Medium City	Main Big City	Urban Fringe	High Metro
Related Elements																				
Age 9	34.1	-6.8*	-1.4	3.5	3.5	-1.1	1.0	-7.7*	1.7*	1.1	-6.7	-3.0	3.0	-10.2*	0.1	0.8	1.5	-1.1	3.1	0.4
Standard error	1.5	2.2	2.5	2.5	2.6	1.1	1.1	3.1	0.6	5.2	4.8	2.4	1.7	2.9	5.3	2.3	3.4	4.7	3.7	3.2
Age 13	42.1	-11.6*	1.4	4.0	4.5	-2.1	2.0	-11.2*	2.1*	-4.8	0.2	-1.7	4.2*	-1.5	-8.6*	-1.0	-5.3	1.7	8.8	6.5
Standard error	1.5	2.1	2.6	2.0	3.3	1.4	1.3	2.8	0.6	5.3	3.7	1.8	1.3	4.3	3.2	1.9	3.1	4.0	5.7	4.3
Age 17	47.6	-8.9*	-5.5	5.8*	6.6*	-0.9	0.8	-10.7*	1.7*	1.8	-8.4*	-0.9	2.3	4.8	-8.5*	-3.2	-6.4	17.0*	9.6	0.2
Standard error	1.6	2.5	3.0	2.0	3.2	1.2	1.2	2.6	0.5	5.6	3.6	2.1	1.4	4.1	3.8	2.1	3.5	5.0	6.6	4.2
Wall Shape																				
Age 9	38.9	-5.9	-3.8	5.0	3.4	-1.9	1.7	-10.6*	2.9*	-3.5	-6.2	-1.4	5.7*	-16.7*	-8.9	1.6	4.4	3.8	0.4	4.0
Standard error	1.7	3.3	2.6	2.8	2.8	1.0	0.9	4.0	0.8	5.9	5.6	2.6	1.6	3.3	5.6	2.2	3.5	4.1	4.8	3.8
Age 13	53.9	-13.8*	-0.5	4.5	7.9*	-1.6	1.6	-20.2*	4.2*	-1.6	-9.6*	-1.8	7.2*	-10.2	-15.2*	2.5	-6.4	2.1	1.6	13.4*
Standard error	1.6	2.4	3.5	2.4	2.4	1.3	1.2	3.2	0.8	5.2	3.6	1.8	1.2	6.7	3.9	2.0	3.5	4.0	4.6	3.2
Age 17	59.8	-13.6*	2.4	4.7*	3.7	1.1	-1.1	-20.9*	3.1*	-8.6	-16.3*	-2.0	6.5*	-1.5	-11.8*	-0.6	-1.8	9.9*	0.9	6.9
Standard error	1.5	3.0	2.6	2.2	2.8	1.2	1.2	3.3	0.6	4.3	4.6	1.9	1.2	4.0	4.9	2.1	3.4	4.4	4.4	4.5
Door Function																				
Age 9	12.4	-1.4	-2.2	4.7*	-1.4	-0.3	0.2	-6.6*	1.9*	-2.9	-4.3*	1.6	0.2	-5.9*	-5.9*	0.2	-1.7	3.7	8.4*	1.1
Standard error	1.0	1.7	1.7	1.9	1.7	0.9	0.9	1.3	0.4	2.7	3.0	1.7	1.0	1.7	2.1	1.5	2.0	4.1	3.0	2.5
Age 13	18.6	-4.1*	-0.6	3.2	0.7	2.3*	-2.2*	-7.0*	1.5*	-3.2	-4.5	-2.5	4.5*	-6.2*	-7.0*	1.2	0.0	2.8	0.1	1.8
Standard error	0.9	1.5	1.5	1.6	1.6	0.7	0.7	2.0	0.4	3.3	2.3	1.3	1.0	2.9	2.3	1.4	2.3	3.9	2.6	3.4
Age 17	21.4	-7.7*	4.1*	5.5*	-4.3*	4.1*	-4.0*	-13.1*	1.9*	-8.6*	-4.2	1.5	1.6	-1.7	-7.0*	3.4*	-3.9	3.8	0.9	-2.4
Standard error	1.1	1.9	1.9	1.6	1.8	1.0	1.0	1.5	0.5	3.9	3.1	1.3	1.1	2.5	2.4	1.4	2.5	6.4	2.9	2.9
Unusual Elements																				
Age 9	7.1	-2.0*	0.9	1.4	-0.6	2.9*	-2.7*	-4.1*	0.7*	-4.9*	-3.2	0.0	2.1*	-3.7*	-1.8	-0.7	-0.1	-3.3	2.7	5.1*
Standard error	0.5	0.7	0.9	1.0	0.9	0.6	0.6	0.9	0.3	1.5	2.1	1.1	1.0	1.0	1.6	0.9	1.1	1.9	1.8	1.5
Age 13	17.0	-1.8	-1.1	2.4	-0.1	4.6*	-4.3*	-6.4*	1.1*	-6.3*	-5.6*	-2.8*	4.4*	-3.2	-8.8*	0.5	1.2	-5.1*	1.7	7.8*
Standard error	1.0	1.9	1.6	1.6	1.7	1.1	1.0	1.6	0.4	2.6	2.2	1.3	1.2	2.4	1.8	1.2	2.3	1.9	2.4	2.9
Age 17	26.1	-7.0*	6.4*	-1.4	1.2	4.3*	-4.2*	-17.1*	2.3*	-7.6	-4.5	1.2	1.9	-0.8	-6.9*	0.1	3.7	4.9	0.0	-5.2
Standard error	1.2	2.0	2.6	1.6	2.4	1.2	1.2	2.0	0.5	4.0	3.3	1.4	1.0	3.6	2.5	1.6	3.8	7.7	3.3	4.0
Novel Combination																				
Age 9	1.3	-0.9*	0.8	0.6	-0.6*	0.3	-0.3	-1.0*	0.1	-0.9	-1.3*	0.8	0.0	1.3*	0.2	0.4	-1.0*	0.4	0.0	1.0
Standard error	0.2	0.3	0.6	0.5	0.2	0.3	0.3	0.4	0.1	0.5	0.2	0.6	0.3	0.2	0.8	0.5	0.3	1.0	0.9	0.6
Age 13	1.4	-0.4	-0.1	0.0	0.6	0.7*	-0.7*	-0.4	0.1	-0.2	-1.0*	-0.3	0.7*	-1.1*	0.4	-0.5	0.3	0.2	0.8	0.5
Standard error	0.3	0.3	0.5	0.5	0.5	0.3	0.3	0.6	0.1	1.0	0.4	0.4	0.3	0.4	1.3	0.3	0.7	0.7	0.9	0.8
Age 17	3.3	-1.9*	-0.4	1.5	0.2	-0.5	0.5	-2.1*	0.3*	-2.4*	2.1	0.0	0.1	2.0	-1.9*	-0.5	-0.9	-0.3	-0.6	2.2
Standard error	0.5	0.6	0.7	0.8	1.0	0.5	0.5	0.6	0.1	0.9	2.3	0.7	0.6	1.7	0.8	0.6	0.9	1.6	1.5	1.3

*Denotes a significant difference from the nation.

TABLE 3. Four People Seated at a Table: Percentage of Students With Acceptable Responses

TABLE 4. Four People Seated at a Table: Percentage of Student Responses Within
Each Table-Top Response Category

94

TABLE 5. Four People Seated at a Table: Percentage of Student Responses Within Each Table-Leg Perspective Category

	National	South-east	West	Central	North-east	Male	Female	Black	White	No High School	Some High School	Graduated High School	Post high School	Low Metro	Extreme Rural	Small Places	Medium City	Main Big City	Urban Fringe	High Metro
No legs Shown																				
Age 9																				
Standard error																				
Age 13																				
Standard error																				
Age 17																				
Standard error																				
Legs Foreshortened																				
Age 9																				
Standard error																				
Age 13																				
Standard error																				
Age 17																				
Standard error																				
Legs Not Foreshortened																				
Age 9																				
Standard error																				
Age 13																				
Standard error																				
Age 17																				
Standard error																				

*Denotes a significant difference from the nation.

TABLE 6. Four People Seated at a Table: Percentage of Student Responses Within Each Chair-Leg Category

	National	South-east	West	Central	North-east	Male	Female	Black	White	No High School	Some High School	Graduated High School	Post high School	Low Metro	Extreme Rural	Small Places	Medium City	Main Big City	Urban Fringe	High Metro
No Legs Shown																				
Age 9																				
Standard error																				
Age 13																				
Standard error																				
Age 17																				
Standard error																				
Legs Foreshortened																				
Age 9																				
Standard error																				
Age 13																				
Standard error																				
Age 17																				
Standard error																				
Legs Not Foreshortened																				
Age 9																				
Standard error																				
Age 13																				
Standard error																				
Age 17																				
Standard error																				

*Denotes a significant difference from the nation.

TABLE 7. Four People Seated at a Table: Percentage of Students Using
Distance- and Overlap-Perspective Techniques

	National	South-east	West	Central	North-east	Male	Female	Black	White	No High School	Some High School	Graduated High School	Post High School	Low Metro	Extreme Rural	Small Places	Medium City	Main Big City	Urban Fringe	High Metro
Near Figure Lower																				
Age 9	39.8	-7.5*	-0.3	-2.2	8.5*	-2.5	-2.2	-10.8*	2.3*	1.3	-4.6	1.7	1.6	-9.3	1.1	-3.4	2.8	-0.1	3.1	6.6*
Standard error	1.5	2.9	2.1	2.1	2.1	1.2	1.2	2.4	0.6	5.3	4.8	2.4	1.7	5.3	4.1	2.0	3.1	4.4	3.9	3.3
Age 13	49.0	-10.5*	-0.5	3.7*	7.4*	-1.5	1.5	-17.8*	2.5*	-0.8	-6.1	-2.3	5.3*	-11.5*	-3.9	2.6	-7.5*	-1.5	2.3*	5.4
Standard error	1.4	2.7	2.5	1.8	2.0	1.4	1.3	3.7	0.7	4.3	3.9	1.6	1.5	5.5	4.4	1.8	3.4	4.0	3.5	4.0
Age 17	56.3	-5.3*	3.7	-1.0	2.0	-2.0	1.9	-21.6*	3.6*	-12.3*	-6.6	-2.2	3.1*	-12.4*	-4.3	3.0	1.1	-1.1	-1.5	8.5*
Standard error	1.6	2.6	2.3	2.8	2.8	1.3	1.2	3.0	0.7	4.8	4.6	1.6	1.4	3.7	4.9	2.0	3.0	5.6	3.4	4.3
Distant Figure Higher																				
Age 9	48.5	-6.0	-0.8	-3.1	8.7*	-2.1	2.1	-12.1*	2.7*	-5.1	-8.0	1.9	3.0	-11.9*	-0.6	-2.9	6.4	-1.5	2.2	3.5
Standard error	1.5	3.2	2.1	2.0	2.2	1.2	1.2	2.5	0.6	5.6	4.9	2.3	1.6	5.7	4.6	1.7	3.9	3.2	3.4	2.9
Age 13	56.9	-10.4*	-1.6	1.4	11.5*	-1.9	1.9	-16.4*	2.6*	-3.3	-7.0	-2.2	5.9*	-7.5	-1.5	-1.2	-5.6	-2.8	8.6	8.5*
Standard error	1.5	2.6	-2.4	2.0	2.6	1.3	1.3	3.3	0.7	3.8	4.5	1.7	1.4	6.5	3.7	1.7	3.1	5.5	4.7	4.1
Age 17	64.8	-6.7*	1.8	-0.5	4.1	-3.6*	3.5*	-19.2*	2.6*	-8.9	-5.9	-0.4	3.6*	-5.1	-3.2	1.7	-0.7	-6.3	-0.4	8.7*
Standard error	1.6	3.0	2.3	3.0	2.4	1.2	1.1	2.8	0.6	4.7	3.5	1.7	1.3	5.7	4.7	1.7	3.5	5.7	3.1	3.8
Figure Overlapping Table																				
Age 9	15.7	-6.4*	3.6*	0.4	1.6	-0.4	0.4	-13.0*	2.7*	-4.1	-3.1	-0.2	3.4*	-8.6*	-2.2	-0.3	1.7	-3.2	1.6	4.3
Standard error	1.0	1.4	1.5	1.8	1.6	1.0	1.0	1.2	0.4	2.8	3.4	1.9	1.3	2.4	2.5	1.3	2.3	3.3	2.6	2.7
Age 13	37.4	-3.0	-1.1	5.1*	0.2	-0.3	0.3	-25.1*	4.2*	-7.8	-16.2*	-4.1*	9.2*	-13.0*	-10.6*	1.1	-2.7	-0.9	2.6	17.0*
Standard error	1.3	2.7	2.2	2.0	2.3	1.2	1.2	2.6	0.6	4.1	2.9	1.5	1.5	6.1	4.7	1.7	3.5	6.1	2.7	3.9
Age 17	45.5	-10.8*	6.7*	4.8*	-5.7	-2.3	2.2	-21.8*	3.7*	-15.3*	-8.1*	-1.9	6.8*	-8.6*	6.4	-0.8	-1.8	0.0	4.4	10.5*
Standard error	1.4	2.4*	2.2	2.3	2.0	1.4	1.3	2.8	0.6	4.1	5.8	1.5	1.1	3.6	4.6	1.6	3.5	4.0	3.6	3.2
Table Overlapping Figure																				
Age 9	34.2	-9.4*	3.3	2.9	1.7	-0.5	0.5	-16.3*	2.6*	-2.5	-7.7	-3.3	6.5*	-12.0*	-7.0	-2.6	3.1	-7.2	10.8*	6.4
Standard error	1.1	1.9	2.0	2.0	1.8	1.2	1.2	2.4	0.6	5.1	4.9	2.2	1.8	4.8	3.6	1.9	2.2	4.7	3.5	3.3
Age 13	59.3	-7.0*	-2.4	5.8*	3.1	1.1	-1.1	-23.3*	3.6*	-8.5	-10.5*	0.3	7.0*	-11.2	-7.1	2.2	0.6	-11.4*	1.6	9.9
Standard error	1.4	2.5	2.5	2.2	2.9	1.2	1.2	3.3	0.7	4.3	4.1	1.8		5.7	3.6	1.6	3.4	5.2	3.4	5.0
Age 17	67.8	-12.7*	4.7*	5.3*	-0.5	0.2	-0.2	-24.0*	3.7*	-11.9*	-8.6*	0.3	4.6*	-7.1	-6.1	0.5	-1.4	-6.5	5.1	11.9*
Standard error	1.4	2.6	2.2	2.3	2.5	1.2	1.2	2.9	0.7	4.7	3.7	1.5	1.4	4.1	4.5	1.6	3.3	4.7	2.9	2.9
Figure Overlapping Figure																				
Age 9	7.4	-4.2*	1.4	1.8	0.4	1.6*	-1.6*	-5.5*	1.3*	-2.3	-3.3	0.6	3.1*	-4.8*	-3.8*	1.8	-3.3*	-0.5	2.3	2.7
Standard error	0.7	1.0	1.2	1.3	1.3	0.6	0.6	0.9	0.3	2.2	2.5	1.1	1.2	1.3	1.2	0.9	1.1	3.2	1.9	2.2
Age 13	12.9	-2.4	-1.5	3.0*	0.6	2.0*	-1.9*	-7.0*	1.4*	-3.1	-7.9*	-1.5	3.8*	-3.3	-0.8	1.1	-1.6	-4.0	-0.1	4.2
Standard error	0.8	1.4	1.4	1.2	1.7	0.9	0.8	1.4	0.3	2.9	1.5	1.1	0.9	2.7	2.3	1.0	2.0	5.0	1.7	3.4
Age 17	16.8	-5.6*	2.0	3.2	-1.1	2.9*	-2.8*	-10.6*	2.1*	-1.9	-5.0*	-0.5	2.7*	-7.1*	2.4	0.2	-2.3	-3.8	5.2	5.6*
Standard error	1.0	1.6	1.7	1.8	1.6	0.9	0.9	1.9	0.4	3.5	2.1	1.5	1.0	1.9	3.7	1.4	1.8	2.8	3.2	2.7

*Denotes a significant difference from the nation.

96

117

118

People Seated at a Table: Percentage of Students Following Exercise Instructions

South-east	West	Central	North-east	Male	Female	Black	White	No High School	Some High School	Graduated High School	Post High School	Low Metro	Extreme Rural	Small Places	Medium City	Main Big City	Urban Fringe	High Metro
-1.1	-3.5	3.3	0.6	-2.7*	2.6*	-10.1*	2.3*	-6.0	-5.6	-1.1	3.2*	-10.5*	4.2	3.1	-1.6	-5.1	-2.8	0.8
3.5	1.9	1.9	2.1	1.1	1.1	3.0	0.6	4.9	4.5	1.8	1.4	3.6	2.3	1.6	2.8	4.5	4.1	2.5
-2.5	-4.5	3.0	4.3*	-1.5	4.4	0.6	0.7	-2.0	-0.3	-0.5	1.4	-0.4	-0.7	2.4	-3.0	-4.6	0.9	-2.1
2.6	2.3	2.0	2.1	1.0	1.0	2.9	0.5	4.2	3.2	1.2	0.9	3.4	2.6	1.7	3.6	3.8	4.1	3.4
-2.3	0.7	-0.3	1.5	-3.5*	3.4*	-4.0	0.4	5.2	-5.8	0.9	0.4	-3.2	0.1	-0.3	0.1	-2.5	6.2	-1.6
3.0	2.3	2.5	2.4	1.1	1.1	2.4	0.4	3.6	3.1	1.4	1.1	4.0	4.6	2.1	3.2	4.9	3.4	3.5
-8.1*	4.9*	-0.2	2.4	3.8*	-3.8*	-12.4*	2.5*	-9.3*	-8.0*	0.9	6.9*	-10.6*	-3.7	-1.7	-1.1	-1.0	7.6*	7.0*
1.8	2.4	2.0	2.0	0.9	0.9	2.0	0.6	3.2	3.4	2.2	1.6	4.1	3.8	1.5	2.5	4.6	3.7	3.1
-3.2	-0.7	1.5	2.5	4.5*	-4.4*	-18.0*	3.7*	-7.0	-13.8*	0.1	7.6*	-9.6	-11.0*	1.2	-0.5	1.0	2.7	9.8
2.2	2.1	1.9	2.3	1.2	1.1	2.6	0.6	5.0	3.7	2.1	1.6	6.2	3.3	1.8	2.4	6.6	4.3	6.0
-12.0*	6.7*	3.8	-1.0	2.3	-2.2	-22.3*	4.0*	-18.8*	-8.1*	-1.1	6.4*	-12.5*	-2.9	0.9	-1.1	-5.9	7.1	11.0*
1.8	2.1	2.4	2.1	1.3	1.3	2.8	0.6	4.2	3.2	1.8	1.3	2.7	4.8	1.7	3.2	5.3	4.2	4.3
-5.1	-0.9	0.1	4.7	-1.7	1.7	-17.3*	3.5*	-0.7	-12.4*	1.1	4.6*	-13.5*	1.3	3.0	-2.9	-8.1*	-1.8	7.8*
3.0	2.3	2.9	2.5	1.3	1.3	2.6	0.7	5.3	5.1	2.2	1.9	6.5	2.9	1.9	3.5	3.4	5.2	3.6
-2.6	-4.1	1.8	5.4*	-2.6*	2.5*	-2.2	1.4*	-6.8	-0.8	-0.7	4.0*	-9.2	-0.3	3.5	-4.5	-5.1	1.7	0.9
3.4	2.6	2.0	2.1	1.1	1.1	4.1	0.7	5.0	4.2	1.5	1.1	5.2	3.5	1.9	3.8	4.9	4.3	3.1
-5.0	-1.5	1.8	0.6	-5.3*	5.3*	-12.5*	2.1*	0.2	-5.9	1.2	2.0	-8.4	-0.7	0.7	2.1	-2.6	5.5	-0.5
2.7	2.3	2.7	2.8	1.3	1.3	2.4	0.5	3.8	3.6	1.5	1.2	4.6	5.4	2.2	3.9	5.2	2.9	4.2
-1.1	-1.7	-2.2	4.6*	-2.9*	2.9*	-3.1	0.6	-11.4*	-7.6	6.0*	0.4	1.6	-9.2*	1.1	-4.7	3.5	5.1	2.7
2.5	2.6	2.0	1.8	1.3	1.2	3.4	0.7	5.5	5.3	2.2	2.0	3.9	3.0	1.7	2.5	5.2	2.8	3.1
-0.1	-0.5	1.0	-0.6	1.0	-1.0	0.6	0.2	-1.8	-8.0	2.9	0.0	-3.8	-3.7	-1.0	0.0	11.5*	-0.6	4.0
2.3	2.4	2.0	2.4	1.3	1.3	3.2	0.5	4.6	4.4	1.9	1.4	4.9	4.5	1.7	2.8	3.0	3.2	5.3
1.5	-3.7	1.3	0.6	1.7	-1.6	-1.5	0.7	-3.4	3.6	-6.6*	4.0*	2.4	0.9	-4.9*	4.0	-1.9	8.1*	-0.9
2.1	2.2	2.1	2.2	1.3	1.3	3.5	0.6	4.3	3.5	2.0	1.4	3.9	3.0	1.4	3.8	3.7	3.3	4.3

om the nation.

TABLE 9. Children on a Playground: Percentage of 9-Year-Olds
Using Each Drawing Characteristic

	National	South-east	West	Central	North-east	Male	Female	Black	White	No High School	Some High School	Gradu-ated High School	Post High School	Low Metro	Extreme Rural	Small Places	Medium City	Main Big City	Urban Fringe	High Metro
% Acceptable	12.0	-9.6*	1.5			1.5	-1.1	-19.6*	4.1*	-8.8*	-13.6*	-2.8	7.9*	-18.5*	-3.8	3.5	-1.9	-10.0*	11.7*	4.8
Standard error	1.5	2.1	2.3			1.2	1.1	2.1	0.7	4.3	4.6	2.0	1.5	4.1	3.5	1.8	2.3	4.4	3.2	4.1
At Least Three Figures Age 9	96.2	-1.1	0.3	0.3	0.3	-0.8	0.2	-5.0*	0.9*	-0.6	-0.8	-0.7	1.2*	-4.7	0.4	0.5	-0.9	-0.4	1.3	1.9*
Standard error	0.4	0.6	0.6	0.6	0.7	0.5	0.4	1.6	0.3	1.9	3.6	0.7	0.4	3.1	1.1	0.5	0.7	1.3	0.8	0.7
Objects Present Age 9	81.6	-1.5	1.9	-3.6	3.1	-3.2*	2.9*	-10.2*	2.3*	-8.5	-3.3	-0.4	2.5*	-14.0*	-12.9*	2.9	2.1	7.4*	4.1	0.2
Standard error	1.3	2.1	2.5	2.1	2.0	1.0	1.0	2.5	0.8	4.8	4.0	2.0	1.2	4.7	3.2	1.6	8	3.7	4.5	4.2
Figures Higher Age 9	27.8	-5.8*	-3.9*	1.0*	1.4*	-1.1	1.0	-13.3*	2.9*	-3.3	-10.0	-0.8	4.1*	-15.0*	0.3	1.6	-0.9	3.1	5.7	0.6
Standard error	1.0	1.7	1.8	1.4	1.6	1.0	0.9	2.7	0.6	4.8	5.7	1.7	1.2	4.3	2.7	1.2	2.3	3.0	3.0	3.2
Figures Smaller Age 9	44.8	-8.4*	1.5	4.7*	1.4	2.6*	-2.4*	-21.0*	4.1*	-10.3*	-13.5*	-3.1	8.5*	-19.4*	-4.1	3.6*	-1.6	-11.0*	11.7*	5.4
Standard error	1.3	2.0	2.3	2.2	1.9	1.2	1.1	2.2	0.8	4.5	4.5	1.8	1.6	4.3	3.2	1.7	2.4	4.8	3.4	4.6
Figures Overlapping Objects Age 9	18.0	-3.1	1.1	0.1	1.7	2.3	-1.2	-4.6*	4.1*	-4.9	-4.7	0.4	0.9	-5.4*	9.2*	3.5*	0.2	-0.5	2.1	1.0
Standard error	1.5	1.9	2.2	1.8	2.6	0.8	0.7	2.0	0.4	3.7	3.7	2.2	1.2	2.1	1.7	1.7	2.3	4.2	2.9	2.5
Point Perspective Age 9	1.5	0.4	-0.1	0.7	-0.9*	0.5	-0.4	-1.4*	0.2	0.0	-1.5*	0.1	0.2	-1.3*	1.3	-0.5	0.8	-0.4	1.5*	0.3
Standard error	0.3	0.6	0.5	0.6	0.1	0.2	0.2	0.3	0.1	1.1	0.3	0.1	0.4	0.4	1.2	0.4	0.8	0.9	1.6	0.8
Figures Overlapping Figures Age 9	0.8	-0.1	-0.1	0.1	-0.3	0.2	-0.2	-0.5	0.2*	-0.1	-1.5	-0.5	0.2	-0.6	-0.7*	0.2	-0.2	-0.4	0.1	0.7
Standard error	0.2	0.3	0.3	0.4	0.4	0.2	0.2	0.3	0.1	0.7	1.5	0.5	0.3	0.3	0.3	0.3	0.5	0.4	0.5	0.9

*Does not a significant difference from the nation.

TABLE 10. Running Person: Percentage of Students With Acceptable Scores of at Least Five Points

	National	South-east	West	Central	North-east	Male	Female	Black	White	No High School	Some High School	Gradu-ated High School	Post High School	Low Metro	Extreme Rural	Small Places	Medium City	Main Big City	Urban Fringe	High Metro
Age 9	20.7	-5.1*	-1.8	2.*	3.0	4.6*	-4.5*	-11.7*	2.9*	-10.0*	-0.6	-0.1	6.7*	-12.9*	-4.2	-0.4	0.1	-2.7	5.6	8.7*
Standard error	1.1	1.6	1.9	1.9	1.7	0.9	0.9	1.7	0.5	3.6	4.0	1.7	1.3	2.7	2.9	1.6	2.6	2.7	2.8	3.5
Age 13	38.3	-11.4*	3.6	4.2*	2.0	2.3*	-2.2	-13.9*	3.3*	-10.6	-8.9*	-2.1	7.4*	-7.0*	-7.3	0.2	-3.2	-3.2	7.9	6.3
Standard error	1.3	2.3	2.1	2.1	2.6	1.1	1.1	2.9	0.7	5.4	3.1	1.5	1.2	3.0	4.4	1.7	2.4	4.5	4.6	3.8

*Denotes a significant difference from the nation.

112

TABLE 11. Running Person: Percentage of Students Showing Motion With Legs

	National	South-east	West	Central	North-east	Male	Female	Black	White	No High School	Some High School	Graduated High School	Post High School	Low Metro	Extreme Rural	Small Places	Medium City	Main Big City	Urban Fringe	High Metro
No Legs Shown																				
Age 9	1.8	-0.3	0.8	0.4	-0.9	0.0	0.0	3.5*	-0.7*	-1.5*	-0.8	-0.1	-0.5	0.5	0.1	-0.4	-0.5	1.9	-0.7	1.9
Standard error	0.4	0.6	0.9	0.6	0.5	0.3	0.3	1.3	0.3	0.4	0.8	0.7	0.4	1.0	0.8	0.5	0.7	1.7	0.7	1.2
Age 13	3.0	1.1	-0.5	0.2	-0.7	0.3	-0.3	2.6		0.7	0.1	-1.1	0.2	1.6	0.6	-0.4	1.7	-2.0*	-0.8	0.5
Standard error	0.4	1.0	0.7	0.6	0.7	0.4	0.4	1.3	0.4	1.5	1.2	0.6	0.4	1.3	1.2	0.5	1.6	0.6	1.0	1.0
No Motion, Legs Straight, Unbent																				
Age 9	15.5	5.0*	-2.4	-3.9*	2.0	-0.8	0.8	7.0*	-1.3*	4.9	.1	2.2	-2.7*	6.9	-1.				.8	-1.9
Standard error	0.8	1.4	1.2	1.2	1.5	0.9	0.9	2.1	0.1	3.	.3	1.8	1.2	4.3	.3				.3	3.2
Age 13	6.8	1.9	0.4	-2.3*	0.4	0.2	-0.2	4.1*	-0.9*	7.9	.1	-0.5	-1.2	1.1	-1.9		0.8	4.1	-1.2	-2.4
Standard error	0.7	1.3	1.3	0.9	1.2	0.6	0.5	1.8	0.3	5.7	1.9	0.8	0.7	2.2	1.4	0.9	1.6	2.6	1.8	1.4
Scissor Position, But Unbent																				
Age 9	49.5	-2.2	3.6	-0.3	-1.7	0.1	-0.1	-4.4	0.7	5.5	0.4	2.6	-3.6*	8.7	9.1*	1.7	-1.2	-4.4	-4.5*	-7.6*
Standard error	1.3	2.3	2.2	2.4	2.0	1.6	1.6	2.7	0.6	4.7	5.6	2.2	1.8	4.2	3.5	1.5	2.7	3.4	2.0	3.3
Age 13	24.4	4.6	-0.8	-2.0	-1.1	0.0	0.0	-6.2*	-1.0*	4.7	9.3*	-1.2*	1.9	5.2	8.7*	-0.5	-1.1	2.1	-3.9	-3.1
Standard error	1.1	2.8	1.5	1.7	1.7	1.0	1.0	2.2	0.4	3.3	3.7	1.6	1.5	3.5	4.0	1.3	1.8	4.6	2.2	3.0
Legs Parallel as in Jumping																				
Age 9	26.5	-3.8	-1.3	3.6	0.5	-1.1	1.1	-4.2	1.2	-10.6*	-8.8*	-4.4*	6.8*	-11.8*	-5.7*	-1.2	0.1	3.6	2.4	9.3*
Standard error	1.2	2.5	2.5	1.9	1.6	1.1	1.1	2.7	0.6	3.2	3.4	1.9	1.6	3.4	2.7	1.5	2.9	2.4	2.2	3.4
Age 13	44.2	-5.4*	1.1	2.1	1.4	-3.0*	2.8	-8.8*	2.1*	-9.2	-5.8	2.5	0.9	-7.4*	-7.9*	1.8	0.2	-5.7	5.8	3.4
Standard error	1.1	2.4	2.2	1.4	1.6	1.5	1.1	2.6	0.5	5.7	3.4	1.5	1.5	3.6	3.3	1.3	3.0	3.3	5.5	2.6
Both Legs Bent																				
Age 9	2.6	0.4	-0.7	-1.0	1.3	-0.3	0.3	-0.2	0.1	0.3	0.1	0.4	0.0	-1.4*	-0.5	0.0	-0.2	1.2	0.7	-0.4
Standard error	0.4	0.6	0.7	0.5	0.7	0.4	0.4	0.8	0.2	2.0	1.6	0.7	0.5	0.5	1.6	0.5	0.8	1.4	0.9	1.0
Age 13	8.6	-1.0	-0.4	0.0	1.3	0.2	-0.2	-3.3*	0.9*	-4.7*	-1.9	1.9	0.8	1.5	-0.6	-0.5	-2.5	2.5	1.5	0.4
Standard error	0.7	1.2	1.3	1.1	1.2	0.6	0.6	1.3	0.3	1.6	1.6	1.2	0.8	2.3	2.3	0.9	1.6	2.6	2.4	2.6
Both Legs Bent and Running																				
Age 9	2.9	0.2	-0.5	0.8	-0.5	1.6*	-1.6*	-1.8*	0.5	-0.4	0.2	0.0	0.7	-1.7	-0.3	0.7	-0.3	-1.3	-0.1	0.4
Standard error	0.6	0.7	0.7	1.3	0.8	0.6	0.6	0.8	0.2	1.8	1.2	0.7	0.7	0.9	1.3	0.9	1.1	1.2	1.0	1.2
Age 13	11.2	-2.1	-0.7	2.7*	-0.4	2.3*	-2.2*	-1.5	0.0	-4.8*	-3.9	-1.4	2.5*	-2.5*	-1.1	-0.5	0.4	-0.1	0.5	2.9
Standard error	0.8	1.3	1.7	1.0	1.3	0.9	0.9	1.8	0.5	2.2	2.1	1.3	0.9	2.0	2.3	0.8	1.7	2.1	2.6	2.0

*Denotes a significant difference from the national %.

TABLE 12. Running Person: Percentage of Students Showing Motion With Arms

	National	South-east	West	Central	North-east	Male	Female	Black	White	No High School	Some High School	Graduated High School	Post High School	Low Metro	Extreme Rural	Small Places	Medium City	Main Big City	Urban Fringe	High Metro
No Arms																				
Age 9	3.0	1.7*	1.0	-0.2	-2.0*	0.5	-0.5	5.0*	-0.9*	-0.2	0.8	-0.4	-0.3	2.7	0.9	-0.2	0.6	-1.6*	0.1	-1.8*
Standard error	0.4	0.7	0.9	0.6	0.5	0.3	0.3	1.4	0.3	1.8	1.7	0.7	0.5	1.6	1.2	0.5	1.0	0.8	1.1	0.7
Age 13	2.8	0.8	-0.6	1.0*	-1.3*	-0.1	0.1	1.3	-0.2	0.5	3.2*	0.7	-1.1*	1.2	1.3	0.3	0.0	-1.7*	-0.7	-0.3
Standard error	0.3	0.7	0.6	0.5	0.5	0.4	0.4	1.0	0.2	1.2	1.5	0.5	0.4	1.2	1.0	0.5	1.0	0.6	0.9	1.1
Arms Appear Limp																				
Age 9	7.8	0.3	-1.2	1.0	-0.2	-0.6	0.6	5.1*	-1.1*	5.6	3.2	1.2	-1.6	4.5	-0.1	1.2	-2.2	0.8	-0.8	-2.0
Standard error	0.7	1.2	1.2	1.2	1.1	0.6	0.6	1.3	0.3	3.7	2.9	1.2	0.9	2.3	1.7	0.9	1.3	2.2	1.5	1.5
Age 13	6.8	4.1*	0.0	-3.0*	-0.3	-1.1	1.1	3.9*	-0.7*	9.2*	1.4	-0.7	-1.3*	0.4	3.1	0.3	3.6*	-4.2*	-3.1*	-1.2
Standard error	0.7	1.4	1.3	0.9	1.1	0.8	0.7	1.6	0.4	4.0	2.4	0.8	0.5	1.7	1.8	0.8	1.3	1.1	1.4	1.4
Parallel Arms, Bent																				
Age 9	84.1	-3.3	-0.4	-1.0	4.0*	-2.6*	2.6*	-9.3*	2.0*	-5.3	-2.8	-1.1	2.0	-6.6	2.3	-1.0	-0.3	0.4	2.4	1.7
Standard error	1.0	1.9	2.1	1.4	1.5	0.8	0.8	2.4	0.5	4.4	3.4	1.7	1.2	3.5	1.6	1.2	2.1	3.9	2.4	3.0
Age 13	77.9	-2.8	-2.6	3.3*	1.3	-1.0	0.9	-2.5	1.0*	-10.1*	-3.2	0.4	1.4	0.6	-4.6	1.3	-1.3	6.1*	-1.4	-3.6
Standard error	1.0	2.1	1.9	1.4	1.5	0.9	0.8	2.2	0.5	4.0	3.2	1.1	1.0	2.9	2.4	1.4	1.8	2.9	2.9	2.5
Both Arms Bent: One Forward, One to the Back																				
Age 9	-3.8	0.7	0.1	0.4	-1.0	2.3*	-2.2*	-1.0	0.3	-2.0	-2.1	1.0	0.7	0.0	-2.1*	0.3	0.0	-1.8	-1.0	3.4
Standard error	0.5	0.9	0.8	0.8	0.9	0.4	0.4	1.0	0.2	1.3	1.2	1.0	0.6	2.2	0.9	0.6	1.0	1.3	0.9	2.0
Age 13	10.8	-3.0*	2.3	-0.6	1.2	2.4*	-2.3*	-4.4*	0.6	-5.0*	-4.3*	-0.2	2.3*	-2.8	-2.1	-1.7	-2.9*	0.6	5.2*	6.8*
Standard error	0.8	1.1	1.9	1.1	1.1	0.8	0.7	1.5	0.3	2.3	1.6	1.0	0.8	2.0	2.1	0.9	1.1	2.1	2.4	2.8

*Denotes a significant difference from the nation.

TABLE 13. Running Person: Percentage of Students Showing Motion With Body

	National	South-east	West	Central	North-east	Male	Female	Black	White	No High School	Some High School	Graduated High School	Post High School	Low Metro	Extreme Rural	Small Places	Medium City	Main Big City	Urban Fringe	High Metro
No Body Shown																				
Age 9	1.2	-0.4	0.4	-0.1	0.1	0.2	-0.2	3.0*	-0.5*	-0.8	-0.2	0.1	-0.3	3.6*	-0.3	-0.6*	-0.4	0.6	0.3	0.3
Standard error	0.2	0.3	0.5	0.3	0.4	0.2	0.2	0.9	0.2	0.5	0.8	0.5	0.3	1.2	0.5	0.2	0.4	1.0	0.8	0.5
Age 13	1.5	-0.4	0.5	0.2	-0.3	-0.2	0.2	0.3	-0.1	0.9	-0.4	0.6	-0.4	-0.1	-1.0*	0.5	-0.6	-1.1*	1.0	-0.4
Standard error	0.3	0.4	0.5	0.4	0.4	0.3	0.2	0.7	0.1	1.3	0.8	0.5	0.3	0.8	0.4	0.3	0.5	0.4	0.9	0.7
Body Erect																				
Age 9	72.1	-5.7*	-0.7	-3.3*	-0.7	-4.2*	4.1*	4.7	-1.4*	12.1*	0.9	1.7	-5.1*	1.4	0.4	2.4	-1.9	0.2	0.9	-7.3*
Standard error	0.9	1.7	1.6	1.3	1.7	0.9	0.9	2.4	0.5	4.2	4.3	2.1	1.4	4.5	3.0	1.4	1.9	2.5	3.2	3.4
Age 13	71.9	8.6*	-7.6*	-1.3	1.1	-2.4*	2.3*	6.6*	-0.3	-2.3	2.3	2.8	-3.5*	4.9	0.7	0.3	0.0	0.5	-5.9	2.5
Standard error	1.4	2.1	2.5	2.2	2.4	1.0	1.0	2.6	0.7	6.4	3.2	1.7	1.6	3.7	5.0	1.6	3.1	4.2	3.6	3.3
Body Leaning as in Motion																				
Age 9	25.3	-5.8*	-0.2	3.7*	1.2	-3.6*	-3.5*	-7.8*	2.2*	-13.1*	-1.6	-1.2	6.1*	-4.4	0.8	-1.4	0.3	-3.0	-0.6	8.3*
Standard error	1.0	1.8	1.8	1.5	1.9	0.9	0.9	2.1	0.5	3.9	3.9	2.1	1.4	3.9	3.0	1.5	2.3	3.5	3.4	3.5
Age 13	24.9	-9.1*	6.3*	1.8	0.1	2.8*	-2.6*	-8.6*	1.0	-4.0	-4.2	-3.1	5.3*	-5.4	-1.9	-0.7	0.1	1.3	4.9	-0.4
Standard error	1.3	2.1	2.2	2.2	2.4	1.0	1.0	2.5	0.7	6.3	2.8	1.6	1.6	3.1	4.1	1.6	3.4	4.5	3.7	3.4

*Denotes a significant difference from the nation.

1 6

TABLE 14. Running Person: Percentage of Students Showing Motion With Expressive Devices

	National	South-east	West	Central	North-east	Male	Female	Black	White	No High School	Some HS	Gradu-ated High School	Post High School	Low	Extreme Rural	Small	Medium City	Main Big City	Urban Fringe	High Metro
No Expressive Devices Present																				
Age 9	62.1	9.3*	-1.4	1.1	-7.4*	-5.1*	5.0*	16.1*	-2.8*	4.5	0.1	1.3	-5.7*	12.9*	8.5	3.4	-4.3	-3.4	-9.0*	-4.7
Standard error	1.3	1.7	2.2	2.5	2.3	1.0	0.9	2.4	0.7	4.9	6.1	2.3	1.6	4.8	5.9	2.2	3.0	4.7	3.4	3.9
Age 13	43.6	6.4*	-1.2	-2.1	-2.3	-1.2	1.1	11.7*	-1.9*	3.5	7.2	-0.9	-3.0*	3.5	1.6	1.1	3.5	-3.4	-0.5	-8.4*
Standard error	1.2	2.3	2.1	1.6	2.3	1.2	1.2	3.2	0.7	5.8	4.5	1.7	1.1	4.3	4.4	1.6	3.5	3.1	4.1	2.7
One Expressive Device Used																				
Age 9	29.2	-7.5*	-0.7	0.7	6.0*	4.5*	-4.4*	-11.1*	2.0*	-4.0	-2.4	-2.1	4.5*	-8.6*	-6.4	-3.3	2.4	-1.3	8.3*	7.4*
Standard error	1.2	1.9	1.7	2.2	2.1	1.1	1.0	2.1	0.6	4.3	4.2	2.0	1.7	4.1	4.4	1.9	3.0	3.8	2.7	3.1
Age 13	38.1	-2.9	1.3	1.9	-0.9	0.8	-0.7	-5.9*	1.2*	-5.8	-4.8	2.2	0.2	-0.3	1.8	-1.8	-0.6	5.9	-2.7	4.6
Standard error	1.1	2.0	2.0	1.8	2.0	1.2	1.2	2.9	0.5	5.9	4.2	1.6	1.3	3.4	4.4	1.3	3.1	4.1	2.6	3.0
Two Expressive Devices Used																				
Age 9	6.5	-2.1*	0.9	-1.5	2.5*	0.2	-0.2	-4.2*	0.8*	-1.4	-2.5	1.4	1.8*	-2.8	-0.2	0.3	-0.7	2.0	1.6	-1.8
Standard error	0.6	0.8	1.1	0.9	1.1	0.5	0.5	0.9	0.2	2.5	1.7	1.1	0.9	1.6	2.4	0.7	1.0	2.2	1.9	1.3
Age 13	14.7	-3.2*	-1.4	0.4	3.8	0.5	-0.5	-6.6*	1.4*	-3.9	-3.9	0.7	4.0*	-3.7	-4.3*	0.7	-2.9	-1.1	3.5	3.7
Standard error	1.1	1.5	1.9	1.6	2.2	0.9	0.9	1.6	0.4	3.9	2.3	1.5	1.3	2.5	2.1	1.2	2.3	3.5	3.6	2.9
Three or More Expressive Devices Used																				
Age 9	0.9	-0.3	0.8	0.0	-0.4	-0.1	0.1	-0.9*	0.2*	-0.9*	3.9	-0.1	0.1	-0.9*	-0.9*	-0.1	0.6	0.5	-0.3	0.5
Standard error	0.2	0.4	0.6	9.3	0.3	0.2	0.2	0.2	0.1	0.2	2.8	0.3	0.3	0.2	0.2	0.3	0.5	0.8	0.4	0.7
Age 13	1.8	-1.2*	0.3	0.4	0.3	0.0	0.0	-0.9	-0.1	0.7	-0.8	-0.4	0.1	-0.1	-1.3*	0.1	-0.5	-0.5	-0.1	1.9
Standard error	0.4	0.4	0.8	0.5	0.8	0.4	0.3	0.6	0.2	1.6	0.6	0.4	0.3	1.0	0.5	0.5	0.6	0.8	0.8	1.8

*Denotes a significant difference from the nation.

TABLE 15. Perc   e of Students Successfully Completing Drawings Within ach Background-Information Category

	National	Do Art				Art Taught		Art Museum			Learn Art (Classes)			
		None	1-2	3-4	5-10	Yes	No	Never	Once	5 or More	None	1	2-3	4-6
Age 17														
Bedroom	61.2	55.8	59.0	61.8	65.3	62.4	35.2	49.6	60.4	65.6	52.3	54.2	64.6	72.7
Standard error	1.5	3.6	2.2	2.2	2.7	1.5	6.6	3.0	2.4	2.1	3.0	3.4	2.1	3.2
Table	50.9	40.1	47.4	52.7	60.2	51.3	40.5	46.4	45.8	56.1	45.2	50.3	52.3	56.5
Standard error	1.6	3.1	2.2	2.2	2.6	1.6	8.7	2.9	2.6	2.1	2.6	2.7	1.8	4.2
Age 13														
Bedroom	54.9	51.2	49.4	55.7	57.7	55.6	44.8	49.6	56.6	56.8	49.8	54.1	58.3	
Standard error	1.6	6.6	2.6	2.5	2.0	1.6	7.3	2.8	2.2	2.4	2.7	2.7	2.3	
Table	41.9	26.6	37.5	38.8	48.9	42.4	35.3	35.4	43.3	45.4	38.3	40.0	46.0	
Standard error	1.4	5.2	2.6	1.9	2.3	1.4	3.5	2.1	2.3	2.3	2.2	2.3	2.0	
Running person	38.3	36.6	35.8	38.2	39.9	38.1	41.0	35.3	36.2	41.6	35.3	35.9	41.6	
Standard error	1.4	4.8	2.5	1.9	1.9	1.4	7.3	2.5	2.2	1.7	2.8	1.6	2.3	
Age 9														
Bedroom	39.9	35.2	39.9	47.1		40.6	27.5	34.9	41.7	43.3				
Standard error	1.7	2.1	2.2	2.6		1.7	7.8	2.4	2.2	2.5				
Table	22.9	14.3	23.0	32.9		23.4	16.4	19.3	26.1	24.5				
Standard error	1.1	1.3	1.8	2.3		1.2	3.0	1.5	1.8	2.3				
Running person	20.7	13.8	22.3	26.9		20.8	20.0	20.1	20.2	22.3				
Standard error	1.1	1.4	1.9	2.0		1.2	2.8	1.4	2.1	1.9				
Playground	42.6	35.1	43.0	51.0		42.9	38.1	42.6	42.0	43.2				
Standard error	1.3	1.7	1.9	2.3		1.3	2.5	1.9	2.4	2.0				

120

APPENDIX B

BACKGROUND QUESTIONS

DO ART

9-Year-Olds

Outside of school, what kinds of art work do you do?. Tell whether you do each of the following things.

A. Outside of school, do you draw?

○ Yes

○ No

○ I don't know.

B. Outside of school, do you paint?

○ Yes

○ No

○ I don't know.

C. Outside of school, do you make collages by cutting and pasting paper, cloth and scrap materials?

○ Yes

○ No

○ I don't know.

D. Outside of school, do you carve or make models with wood, stone, clay, metal or plastic?

○ Yes

○ No

○ I don't know.

DO ART

13- and 17-Year-Olds

Outside of school, what kinds of art work do you do? Tell whether you do each of the following things outside of school.

		Yes	No	I don't know.
A.	Drawing	⊂⊃	⊂⊃	⊂⊃
B.	Painting	⊂⊃	⊂⊃	⊂⊃
C.	Making pictures by cutting and pasting paper, cloth and scrap materials	⊂⊃	⊂⊃	⊂⊃
D.	Carving or modeling in wood, stone, clay, metal or plastic	⊂⊃	⊂⊃	⊂⊃
E.	Print-making such as block printing, silk screening, etching	⊂⊃	⊂⊃	⊂⊃
F.	Making pottery, ceramics or mosaics	⊂⊃	⊂⊃	⊂⊃
G.	Weaving, macrame or knot-tying, or needlework such as embroidery, needlepoint, knitting, crocheting	⊂⊃	⊂⊃	⊂⊃
H.	Making photographs or films	⊂⊃	⊂⊃	⊂⊃
I.	Making jewelry	⊂⊃	⊂⊃	⊂⊃
J.	Creating designs or plans for things like clothes, toys, cars, houses, furniture	⊂⊃	⊂⊃	⊂⊃

ART TAUGHT IN THE SCHOOL

9-, 13- and 17-Year-Olds In School

Principals in each of the participating schools were asked the following question:

Is art taught in your school?

○ Yes

○ No

103

ATTEND ART CLASS

13-Year-Olds

A. Did you take an art class in school last year?

◯ Yes   ◯ No   ◯ I don't know.

B. Are you taking an art class during this school year?

◯ Yes   ◯ No   ◯ I don't know.

NOTE: Nine-year-olds were not asked this question.

ATTEND ART CLASS

17-Year-Olds

A. Please indicate in which of the following years you took art classes in school.

	Yes	No	I don't know.
Seventh grade	◯	◯	◯
Eighth grade	◯	◯	◯
Ninth grade	◯	◯	◯
Tenth grade	◯	◯	◯
Eleventh grade	◯	◯	◯
Twelfth grade	◯	◯	◯

B. Are you currently enrolled in art class?

◯ Yes   ◯ No   ◯ I don't know.

VISIT ART MUSEUMS

9-, 13- and 17-Year-Olds in School

A. The works of artists are shown in art museums and art galleries. How often have you visited art museums or art galleries?

◯ Never

◯ One time

◯ About five times

◯ About ten times

◯ Fifteen or more times

122

104

Assessment Reports

1972-73 Assessment

Mathematics

04-MA-01	*Math Fundamentals: Selected Results From the First National Assessment of Mathematics. January 1975	1.10
04-MA-02	*Consumer Math: Selected Results From the First National Assessment of Mathematics. June 1975	1.05
04-MA-20	*Mathematics Technical Report: Exercise Volume. February 1977	8.20
04-MA-21	*Mathematics Technical Report: Summary Volume, September 1976	2.55
04-MA-00	*The First National Assessment of Mathematics: An Overview, October 1975	1.25

Science

04-S-01	*Selected Results From the National Assessments of Science: Energy Questions, May 1975	.75
04-S-02	*Selected Results From the National Assessments of Science: Scientific Principles and Procedures, August 1975	1.25
04-S-03	*Selected Results From the National Assessments of Science: Attitude Questions, October 1975	1.45
04-S-20	*Changes in Science Performance, 1969-1973: Exercise Volume, December 1975	3.85
04-S-20	*Changes in Science Performance, 1969-73: Exercise Volume, Appendix (2 vols.) April 1977	(to be determined)
04-S-21	*Science Technical Report: Summary Volume, May 1977	3.00
04-S-00	*National Assessments of Science, 1969 and 1973: A Capsule Description of Changes in Science Achievement, February 1975	.75
BRS-1	*Science Achievement: Racial and Regional Trends, 1969-73 — First in a series of special reports presenting selected analyses of background variables, March 1976	1.20

1973-74 Assessment

Writing

05-W-01	*Writing Mechanics, 1969-1974: A Capsule Description of Changes in Writing Mechanics, October 1975	1.30
05-W-02	*Expressive Writing: Selected Results From the Second National Assessment of Writing, November 1976	1.30
05-W-03	*Explanatory and Persuasive Letter Writing: Selected Results From the Second National Assessment of Writing, February 1977	.90

Career and Occupational Development

05-COD-01	*Adult Work Skills and Knowledge: Selected Results From the First National Assessment of Career and Occupational Development, September 1976	1.50
05-COD-02	*An Assessment of Career Development: Basic Work Skills — Selected Results From the First National Assessment of Career and Occupational Development, January 1977	1.10
05-COD-20	Career and Occupational Development Technical Report: Exercise Volume, May 1977	(to be determined)
05-COD-00	*The First National Assessment of Career and Occupational Development: An Overview, November 1976	1.20

1974-75 Assessment

Reading

06-R-01	*Reading in America: A Perspective on Two Assessments, October 1976	1.05

Art

06-A-01	*Design and Drawing Skills: Selected Results From the First National Assessment of Art, June 1977	2.50 ~~(to be determined)~~

1975-76 Assessment

Citizenship/Social Studies

07-CS-01	*Education for Citizenship: A Bicentennial Survey, November 1976	1.20

Background Reports

BR-2	Hispanic Student Achievement in Five Learning Areas: 1971-75, May 1977	2.30

*These National Assessment reports should be ordered directly from the Superintendent of Documents. U.S. Government Printing Office, Washington. D.C. 20402. A NAEP Publications List, containing order numbers and other information to facilitate ordering is available free at the address below.

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