

NAEP 1996 LONG-TERM TREND MATHEMATICS RESULTS - DATA ALMANACS FOR AGE 9 STUDENT DATA
 WEIGHTED AVERAGE SCALE SCORES (MEAN), STANDARD DEVIATIONS, AND PERCENTILE DISTRIBUTIONS (STANDARD ERRORS IN PARENTHESES)

3/18/97 PAGE 1

	1978	1982	1986	1990	1992	1994	1996
TOTAL SAMPLE							
MEAN	218.6 (0.8)	219.0 (1.1)	221.7 (1.0)	229.6 (0.8)	229.6 (0.8)	231.1 (0.8)	231.0 (0.8)
ST. DEV.	36.0 (0.3)	34.8 (0.4)	34.0 (0.5)	32.9 (0.5)	33.1 (0.5)	33.2 (0.5)	33.8 (0.6)
PERCENTILES							
5	157.1 (1.0)	159.3 (1.8)	163.0 (1.3)	173.3 (2.6)	172.2 (1.6)	174.1 (1.4)	173.9 (1.1)
10	171.1 (1.2)	173.2 (1.8)	176.7 (1.5)	185.8 (2.2)	185.4 (1.2)	186.8 (1.4)	186.6 (1.5)
25	194.6 (1.0)	196.0 (1.1)	199.0 (1.6)	207.8 (1.3)	207.9 (1.2)	209.0 (0.9)	208.2 (1.0)
50	220.1 (1.0)	220.4 (1.2)	223.3 (1.1)	231.1 (0.9)	231.0 (0.8)	232.5 (1.1)	231.7 (0.8)
75	243.7 (0.9)	243.3 (1.4)	245.6 (1.2)	252.5 (0.7)	252.6 (0.8)	254.7 (0.8)	254.5 (1.0)
90	264.0 (1.2)	262.7 (1.0)	264.2 (1.3)	271.0 (1.0)	270.9 (1.3)	272.4 (1.0)	274.0 (1.7)
95	275.7 (1.2)	273.8 (1.3)	275.5 (1.2)	282.1 (1.3)	281.7 (1.2)	282.9 (1.1)	285.3 (1.5)
MALE STUDENTS							
MEAN	217.4 (0.7)	217.1 (1.2)	221.7 (1.1)	229.1 (0.9)	230.8 (1.0)	232.2 (1.0)	232.9 (1.2)
ST. DEV.	36.7 (0.5)	35.8 (0.5)	34.3 (0.8)	33.5 (0.6)	33.5 (0.6)	33.6 (0.6)	34.6 (0.9)
PERCENTILES							
5	154.9 (2.3)	156.4 (2.1)	162.7 (2.0)	171.8 (2.5)	172.7 (1.5)	174.7 (2.1)	174.5 (2.5)
10	169.0 (1.3)	170.2 (1.4)	176.1 (1.7)	184.6 (2.1)	186.1 (1.4)	186.8 (1.9)	187.8 (2.0)
25	192.8 (1.0)	193.0 (1.5)	198.6 (1.6)	206.7 (1.2)	208.9 (1.6)	209.7 (1.3)	209.7 (1.5)
50	218.4 (0.9)	218.6 (1.7)	223.0 (1.0)	230.4 (1.0)	232.2 (1.0)	233.9 (1.1)	233.7 (1.7)
75	243.0 (1.1)	242.3 (1.6)	245.7 (1.6)	252.4 (0.8)	254.2 (1.1)	256.2 (1.0)	257.4 (1.5)
90	263.8 (1.2)	262.2 (1.2)	265.1 (1.9)	271.6 (1.8)	272.5 (1.2)	274.1 (1.1)	276.8 (1.9)
95	275.2 (1.1)	273.6 (1.9)	276.4 (2.1)	282.8 (1.7)	283.8 (1.4)	284.6 (1.6)	287.9 (1.7)
FEMALE STUDENTS							
MEAN	219.9 (1.0)	220.8 (1.2)	221.7 (1.2)	230.2 (1.1)	228.4 (1.0)	230.0 (0.9)	229.0 (0.7)
ST. DEV.	35.3 (0.4)	33.7 (0.5)	33.7 (0.6)	32.4 (0.6)	32.7 (0.7)	32.9 (0.7)	32.9 (0.5)
PERCENTILES							
5	159.4 (1.3)	162.8 (1.7)	163.5 (2.3)	174.5 (2.8)	171.8 (1.6)	173.5 (1.5)	173.5 (1.4)
10	173.1 (2.0)	176.6 (1.6)	177.5 (2.6)	187.0 (2.7)	184.9 (1.6)	187.0 (1.3)	185.5 (1.6)
25	196.4 (1.2)	198.9 (1.8)	199.2 (1.8)	208.9 (1.3)	206.9 (1.5)	208.6 (1.0)	206.7 (0.9)
50	221.5 (1.0)	222.2 (1.1)	223.5 (1.1)	231.8 (1.0)	229.9 (1.0)	231.5 (1.0)	230.0 (1.4)
75	244.3 (1.5)	244.2 (1.4)	245.5 (1.5)	252.7 (1.0)	251.1 (1.1)	253.5 (1.3)	251.7 (1.6)
90	264.2 (1.4)	263.1 (1.0)	263.3 (1.6)	270.4 (1.3)	269.2 (1.2)	270.8 (1.7)	270.7 (1.3)
95	276.1 (1.8)	273.9 (1.7)	274.2 (2.0)	281.4 (1.1)	279.8 (2.3)	281.0 (1.8)	281.9 (1.8)

	1978	1982	1986	1990	1992	1994	1996
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WHITE STUDENTS

MEAN	224.1 (0.9)	224.0 (1.1)	226.9 (1.1)	235.2 (0.8)	235.1 (0.8)	236.8 (1.0)	236.9 (1.0)
ST. DEV.	34.0 (0.3)	32.8 (0.4)	32.6 (0.5)	31.2 (0.5)	31.0 (0.5)	31.4 (0.4)	32.4 (0.6)
PERCENTILES							
5	166.3 (1.5)	168.1 (1.4)	170.6 (2.4)	181.8 (2.4)	181.8 (1.5)	182.4 (2.4)	182.5 (1.4)
10	179.4 (1.5)	180.8 (1.7)	183.9 (1.7)	194.0 (1.6)	194.2 (1.5)	194.7 (1.1)	194.8 (1.8)
25	201.4 (1.1)	201.9 (1.3)	205.3 (1.1)	214.6 (0.9)	215.0 (0.9)	216.5 (1.3)	215.0 (1.4)
50	225.1 (1.0)	225.3 (1.4)	228.3 (1.1)	236.3 (1.0)	236.1 (1.1)	238.3 (1.1)	237.8 (1.2)
75	247.7 (0.8)	246.8 (0.9)	249.6 (0.8)	256.4 (0.6)	256.4 (1.0)	258.9 (1.1)	259.7 (0.8)
90	267.0 (1.1)	265.3 (1.0)	267.4 (1.2)	274.5 (0.8)	273.9 (1.3)	275.3 (1.1)	278.2 (1.0)
95	278.4 (1.7)	276.0 (1.3)	278.2 (1.8)	284.8 (2.1)	284.5 (1.6)	285.7 (1.2)	288.8 (1.6)

BLACK STUDENTS

MEAN	192.4 (1.1)	194.9 (1.6)	201.6 (1.6)	208.4 (2.2)	208.0 (2.0)	212.1 (1.6)	211.6 (1.4)
ST. DEV.	34.5 (0.8)	33.7 (0.8)	31.7 (1.1)	31.5 (0.8)	31.8 (0.7)	30.8 (1.1)	31.1 (0.9)
PERCENTILES							
5	133.7 (1.9)	136.7 (2.5)	146.2 (3.2)	156.0 (1.7)	154.9 (3.4)	159.8 (3.8)	158.1 (6.3)
10	147.0 (1.7)	150.4 (2.3)	158.4 (4.9)	167.1 (3.7)	165.9 (2.9)	171.1 (3.0)	170.7 (3.1)
25	169.3 (1.9)	172.5 (2.0)	180.5 (4.1)	186.0 (4.1)	185.5 (2.4)	191.3 (1.7)	190.2 (2.0)
50	193.0 (1.1)	196.6 (2.0)	202.9 (1.6)	208.4 (3.1)	208.6 (2.1)	213.3 (1.7)	213.3 (1.5)
75	216.4 (1.6)	218.2 (2.0)	223.6 (2.0)	231.4 (2.1)	230.4 (2.0)	233.7 (1.0)	233.9 (1.4)
90	236.1 (1.6)	236.7 (2.5)	241.2 (1.7)	248.9 (2.9)	249.2 (2.1)	251.6 (5.2)	250.1 (1.3)
95	247.5 (1.4)	247.9 (2.8)	251.3 (1.3)	258.9 (4.3)	258.7 (3.4)	261.6 (2.2)	259.9 (2.7)

HISPANIC STUDENTS

MEAN	202.9 (2.2)	204.0 (1.3)	205.4 (2.1)	213.8 (2.1)	211.9 (2.3)	209.9 (2.3)	214.7 (1.7)
ST. DEV.	35.1 (1.4)	32.8 (1.1)	31.1 (1.9)	30.3 (1.2)	31.9 (1.4)	30.7 (1.3)	31.6 (1.2)
PERCENTILES							
5	144.4 (5.4)	148.1 (2.8)	154.8 (3.7)	161.8 (3.4)	158.6 (4.4)	159.1 (3.3)	163.5 (8.7)
10	156.3 (3.7)	160.8 (3.2)	163.8 (1.8)	173.4 (1.4)	169.0 (3.5)	170.3 (4.1)	173.3 (4.1)
25	178.7 (3.2)	181.3 (2.3)	184.6 (3.2)	193.1 (3.6)	189.7 (2.2)	189.8 (3.0)	191.6 (2.3)
50	204.3 (3.0)	205.2 (1.6)	206.3 (2.4)	216.2 (4.1)	211.8 (3.5)	210.5 (2.5)	215.2 (1.7)
75	227.2 (2.5)	226.5 (2.0)	226.0 (3.8)	235.1 (3.3)	233.8 (3.4)	230.3 (3.8)	237.3 (2.4)
90	249.5 (4.0)	246.4 (3.4)	244.8 (3.8)	251.7 (3.4)	252.7 (3.8)	249.4 (4.4)	256.0 (4.2)
95	259.6 (4.6)	256.6 (2.9)	254.4 (4.6)	262.2 (3.5)	263.1 (6.8)	259.4 (7.3)	265.8 (4.6)