

**Appendix tables for 2020 Long-
Term Trend Reading and
Mathematics Assessments at Ages
9 and 13**

National Center for Education Statistics

2020 Long-Term Trend Reading and Mathematics Assessments at Ages 9 and 13: Summary Data Tables for National Sample Sizes, Participation Rates, Proportions of SD and EL Students Identified, Accommodation Types, Demographics, and Performance Results

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Student sample sizes and target populations in NAEP long-term trend reading and mathematics, by subject and age group: 2020

Age Group	Reading		Mathematics	
	Sample size	Target population	Sample size	Target population
Age 9				
Nation	8,700	3,848,000	8,600	3,822,000
Public	8,000	3,558,000	8,000	3,544,000
Private	600	290,000	600	278,000
Age 13				
Nation	9,100	3,948,000	9,100	3,930,000
Public	8,300	3,660,000	8,200	3,632,000
Private	800	287,000	800	297,000

NOTE: The national totals for schools include Department of Defense Education Activity (overseas and domestic schools) and Bureau of Indian Education schools, which are not included in either the public or private school totals. The sample size is rounded to the nearest hundred. The target population is rounded to the nearest thousand.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2020 Long-Term Trend Reading and Mathematics Assessments.

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School and student participation rates in NAEP long-term trend reading and mathematics, by subject and age group: 2020

Age Group	Reading					Mathematics				
	School participation			Student participation		School participation			Student participation	
	Percentage before substitution	Percentage after substitution	Number of schools participating	Percentage student participation after makeups	Number of students assessed	Percentage before substitution	Percentage after substitution	Number of schools participating	Percentage student participation after makeups	Number of students assessed
Age 9										
Nation	89	92	440	94	8,400	89	92	440	93	8,400
Public	93	95	370	94	7,800	93	95	370	93	7,800
Private	41	54	70	94	600	41	54	70	92	600
Age 13										
Nation	87	88	450	93	8,900	87	88	460	92	8,900
Public	90	90	380	93	8,100	90	90	380	92	8,000
Private	52	57	70	92	800	52	57	80	92	800

NOTE: The national totals for schools include Department of Defense Education Activity (overseas and domestic schools) and Bureau of Indian Education schools, which are not included in either the public or private school totals. The number of schools is rounded to the nearest ten. The number of students is rounded to the nearest hundred. The school participation rates are student-weighted percentages before substitution. Columns of percentages have different denominators. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2020 Long-Term Trend Reading and Mathematics Assessments.

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Percentage of students identified as students with disabilities and/or English learners excluded in NAEP long-term trend reading and mathematics, as a percentage of all students, by subject and age group: Various years, 1990–2020

Subject and age group	1990	1992	1994	1996	1999	2004 ¹	2004 ²	2008	2012	2020
Reading										
Age 9	6	7	7	8	8	8	5	4	2	2
Age 13	5	6	6	7	6	8	5	4	2	2
Mathematics										
Age 9	5	7	8	8	7	7	3	3	1	2
Age 13	5	6	6	7	6	8	3	3	1	2

¹ Original assessment format. Results prior to 2004 are also from the original format.

² Revised assessment format. Results after 2004 are also from the revised format.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), various years, 1990–2020 Long-Term Trend Reading and Mathematics Assessments.

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Percentage of 9- and 13-year-old students with disabilities (SD) and/or English learners (EL) identified, excluded, and assessed in NAEP long-term trend reading and mathematics, as a percentage of all students, by SD/EL category: 2020

SD/EL category	Reading		Mathematics	
	Age 9	Age 13	Age 9	Age 13
SD and/or EL				
Identified	26	21	26	21
Excluded	2	2	2	2
Assessed	23	19	24	19
Without accommodations	9	6	9	6
With accommodations	15	13	15	13
SD				
Identified	15	14	15	14
Excluded	2	2	2	2
Assessed	13	13	13	12
Without accommodations	2	2	2	2
With accommodations	11	11	11	11
EL				
Identified	12	8	13	8
Excluded	1	1	1	1
Assessed	11	7	13	8
Without accommodations	7	4	7	4
With accommodations	5	3	6	3

NOTE: Students identified as both SD and EL were counted only once under the combined SD and/or EL category, but were counted separately under the SD and EL categories. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2020 Long-Term Trend Reading and Mathematics Assessments.

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Percentage of students identified as students with disabilities (SD) and/or English learners (EL) assessed in NAEP long-term trend reading with accommodations, by SD/EL category, type of accommodation, and age group: 2020

Type of accommodation	Age 9			Age 13		
	SD and/or EL	SD	EL	SD and/or EL	SD	EL
Braille	#	#	#	#	#	#
Breaks during test	4.33	3.81	0.82	2.05	1.94	0.21
Cueing to stay on task	2.24	2.17	0.43	1.37	1.36	0.12
Directions only presented in Sign Language	#	#	#	0.02	0.02	#
Directions read aloud in English	6.70	5.38	2.06	4.47	3.87	1.12
Directions read aloud in Spanish	0.28	0.01	0.28	0.14	0.01	0.14
Extended time	11.33	8.27	4.13	9.80	8.06	2.59
Large-print booklet	0.03	0.03	0.01	0.04	0.04	#
Magnification equipment	0.01	0.01	#	0.04	0.04	#
One-on-one	0.34	0.34	0.06	0.23	0.23	0.01
Other	0.30	0.30	0.01	0.11	0.11	0.01
Preferential seating	2.23	2.10	0.46	1.75	1.62	0.25
Responds orally to scribe	0.10	0.10	0.01	0.15	0.15	#
Response in Sign Language	#	#	#	#	#	#
School staff administers	1.33	0.96	0.57	0.49	0.46	0.05
Small group	9.69	8.18	2.49	7.20	6.69	1.19
Special equipment	0.52	0.52	0.05	0.21	0.21	0.01
Uses computer or typewriter to respond	0.03	0.03	#	0.06	0.06	#
Uses template	0.19	0.19	#	0.20	0.20	0.02

Percentage less than .005.

NOTE: Students identified as both SD and EL were counted only once under the combined SD and/or EL category, but were counted separately under the SD and EL categories. SD includes students identified as having either an Individualized Education Program or protection under Section 504 of the Rehabilitation Act of 1973. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2020 Long-Term Trend Reading Assessment.

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Percentage of students identified as students with disabilities (SD) and/or English learners (EL) assessed in NAEP long-term trend mathematics with accommodations, by SD/EL category, type of accommodation, and age group: 2020

Type of accommodation	Age 9			Age 13		
	SD and/or EL	SD	EL	SD and/or EL	SD	EL
Bilingual booklet	0.44	0.05	0.44	0.23	0.01	0.23
Bilingual dictionary	0.72	0.08	0.72	0.59	0.05	0.59
Braille	#	#	#	#	#	#
Breaks during test	4.30	3.76	1.03	2.56	2.52	0.23
Cueing to stay on task	2.30	2.20	0.39	1.45	1.42	0.16
Directions only presented in Sign Language	0.02	0.02	#	#	#	#
Directions read aloud in English	2.07	1.39	0.91	1.36	1.04	0.50
Directions read aloud in Spanish	0.05	0.01	0.05	0.13	0.03	0.13
Extended time	11.87	8.51	4.51	10.34	8.56	2.74
Large-print booklet	0.06	0.06	#	0.04	0.04	#
Magnification equipment	0.01	0.01	#	0.02	0.02	#
One-on-one	0.52	0.51	0.10	0.33	0.32	0.04
Other	0.18	0.18	0.01	0.10	0.10	#
Preferential seating	1.89	1.83	0.28	1.56	1.51	0.25
Presentation in Sign Language	0.03	0.03	#	#	#	#
Read aloud in English (all)	6.85	5.48	2.19	4.07	3.65	0.88
Read aloud in English (occasional)	0.90	0.40	0.60	0.89	0.76	0.27
Read aloud in Spanish	0.10	0.02	0.10	0.01	#	0.01
Responds orally to scribe	0.16	0.16	0.05	0.11	0.11	0.02
Response in Sign Language	#	#	#	#	#	#
School staff administers	1.33	1.01	0.55	0.53	0.49	0.09
Small group	9.69	8.01	2.74	7.16	6.72	1.07
Special equipment	0.45	0.45	0.06	0.20	0.20	0.04
Uses computer or typewriter to respond	0.03	0.03	#	0.09	0.09	0.01
Uses template	0.21	0.21	0.04	0.19	0.19	0.05

Percentage less than .005.

NOTE: Students identified as both SD and EL were counted only once under the combined SD and/or EL category, but were counted separately under the SD and EL categories. SD includes students identified as having either an Individualized Education Program or protection under Section 504 of the Rehabilitation Act of 1973. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2020 Long-Term Trend Mathematics Assessment.

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Percentage distribution of students in NAEP long-term trend reading, by age group and selected characteristics: Various years, 1971–2020

Age group and characteristics	1971	1975	1980	1984	1988	1990	1992	1994	1996	1999	2004 ¹	2004 ²	2008	2012	2020
Age 9															
Race/ethnicity															
White	84*	80*	79*	75*	75*	74*	74*	76*	71*	69*	59*	59*	56*	53*	46
Black	14	13	14	16	16	16	16	15	17	18*	17	16	16	14	15
Hispanic	—	5*	6*	7*	6*	6*	7*	6*	8*	9*	17*	17*	20*	25	28
Other	—	2*	1*	2*	3*	4*	3*	4*	4*	4*	7*	7*	7*	9	11
Gender															
Male	50	50	50	50	50	51	51	50	49	49	50	51	50	50	51
Female	50	50	50	50	50	49	49	50	51	51	50	49	50	50	49
Eligibility for free/reduced-price school lunch															
Eligible	—	—	—	—	—	—	—	—	—	—	40*	40*	41*	51	49
Not eligible	—	—	—	—	—	—	—	—	—	—	50*	49	51*	42	45
Information not available	—	—	—	—	—	—	—	—	—	—	11*	11*	8	7	6
Type of school															
Public	—	—	89*	88*	88	92	88*	89	86*	88	89*	89*	90*	92	92
Catholic	—	—	9*	9*	8*	5	9*	6	7*	6*	6*	6*	5*	3	3
Grade attended															
3rd grade or below	24*	23*	28*	34*	37	42*	43*	40	33*	30*	35	36	38	37	38
4th grade	75*	76*	72*	66*	63	58*	57*	60	67*	69*	65	63	62	63	61
5th grade or above	1*	1*	#	#	1	#	#	#	#	#	#	#	#	#	#
School location															
City	—	—	—	—	—	—	—	—	—	—	—	—	—	29	31
Suburb	—	—	—	—	—	—	—	—	—	—	—	—	—	39	34*
Town	—	—	—	—	—	—	—	—	—	—	—	—	—	11	10
Rural	—	—	—	—	—	—	—	—	—	—	—	—	—	21	24*
Region of the country															
Northeast	—	—	—	—	—	—	—	—	—	—	21	19	19	16	16
Midwest	—	—	—	—	—	—	—	—	—	—	21	22	21	22	21
South	—	—	—	—	—	—	—	—	—	—	33	32*	37	37	39
West	—	—	—	—	—	—	—	—	—	—	26	27	23	24	24
Status as students with disabilities (SD)															
SD	—	—	—	—	—	—	—	—	—	—	‡	8*	9*	10*	14
Not SD	—	—	—	—	—	—	—	—	—	—	‡	92*	91*	90*	86
Status as English learners (EL)															
EL	—	—	—	—	—	—	—	—	—	—	‡	8*	9*	11	12
Not EL	—	—	—	—	—	—	—	—	—	—	‡	92*	91*	89	88
Age 13															
Race/ethnicity															
White	84*	81*	80*	77*	76*	73*	73*	74*	71*	70*	64*	63*	57*	55*	46
Black	15	13	13	14	15	15	16	15	15	16	15	16	16	14	14
Hispanic	—	5*	6*	7*	6*	8*	7*	8*	9*	10*	16*	16*	21*	22*	29
Other	—	2*	1*	2*	2*	3*	3*	3*	5*	3*	5*	5*	7*	9	10
Gender															
Male	50	50	49*	51	50	50	49	51	49*	49	49	51	51	51	51
Female	50	50	51*	49	50	50	51	49	51*	51	51	49	49	49	49
Eligibility for free/reduced-price school lunch															
Eligible	—	—	—	—	—	—	—	—	—	—	37*	36*	35*	44	46
Not eligible	—	—	—	—	—	—	—	—	—	—	55*	56*	56*	49	47
Information not available	—	—	—	—	—	—	—	—	—	—	8	9	9	7	7
Type of school															
Public	—	—	88*	89*	89	88*	86*	89*	88	87	92	90*	90*	91	93
Catholic	—	—	9*	9*	9	7*	7*	9*	6	7	5	5*	5*	4	3
Grade attended															
7th grade or below	28*	28*	28*	35	39*	39*	43*	44*	38	38	38	38	41*	39	36
8th grade	71*	72*	71*	64	61*	60*	56*	56*	61	62	62	62	59*	60	64
9th grade or above	1*	1*	1	#	1	#	1	#	#	#	#	#	#	1	#
Parents' highest education level															
Did not finish high school	—	—	—	—	—	—	—	—	—	—	—	6	6	6	6
Graduated from high school	—	—	—	—	—	—	—	—	—	—	—	18*	17*	14	15
Some education after high school	—	—	—	—	—	—	—	—	—	—	—	16*	15*	13	13
Graduated from college	—	—	—	—	—	—	—	—	—	—	—	47*	48*	53	53
Unknown	—	—	—	—	—	—	—	—	—	—	—	13*	14	13	14
School location															
City	—	—	—	—	—	—	—	—	—	—	—	—	—	31	29
Suburb	—	—	—	—	—	—	—	—	—	—	—	—	—	37	37
Town	—	—	—	—	—	—	—	—	—	—	—	—	—	13	11
Rural	—	—	—	—	—	—	—	—	—	—	—	—	—	19	23*
Region of the country															
Northeast	—	—	—	—	—	—	—	—	—	—	19	20	17	16	15
Midwest	—	—	—	—	—	—	—	—	—	—	20	20	23	24	21
South	—	—	—	—	—	—	—	—	—	—	35	36	35*	37	39
West	—	—	—	—	—	—	—	—	—	—	25	24	25	23	25
Status as students with disabilities (SD)															
SD	—	—	—	—	—	—	—	—	—	—	‡	8*	10*	11*	13
Not SD	—	—	—	—	—	—	—	—	—	—	‡	92*	90*	89*	87
Status as English learners (EL)															
EL	—	—	—	—	—	—	—	—	—	—	‡	4*	6*	4*	8
Not EL	—	—	—	—	—	—	—	—	—	—	‡	96*	94*	96*	92

— Not available.

‡ Reporting standards not met. Sample size insufficient to permit a reliable estimate.

Rounds to zero.

* Significantly different ($p < .05$) from 2020.

¹ Original assessment format. Results prior to 2004 are also from the original assessment format.

² Revised assessment format. Results after 2004 are also from the revised assessment format.

NOTE: Black includes African American, Hispanic includes Latino, and "Other" includes Asian/Pacific Islander, American Indian/Alaska Native, and unclassified, which was used in the NAEP long-term trend assessment prior to 2012 and was classified as Two or More Races in 2012 and later assessment years. Race categories exclude Hispanic origin. For the grade attended variable, fourth grade is the typical grade for 9-year-old students and eighth grade is the typical grade for 13-year-old students. Results are not available for parents' highest education level prior to 2004 in NAEP long-term trend reading assessments because the wording of the survey question for this variable in the revised format of the reading assessments administered in 2004 and later was different from previous years. For students at age 9, results are not shown for the parental education level category because research indicates that these students are less likely to report this information accurately. Results are not shown for private schools under the type of school category because the participation rate for private schools did not meet the minimum participation guidelines for reporting in 2020. Results are not available for eligibility for the National School Lunch Program (NSLP) prior to 2004 in NAEP long-term trend assessments. The information about NSLP variable is based on available school records. If school records were not available, the student was classified as "Information not available." NAEP aims to include all students sampled for the assessments including students with disabilities and English learners. This goal is accomplished by allowing many of the same accommodations that students use on other tests such as extra testing time or individual administration. Traditionally, the long-term trend assessments have not provided such accommodations. Accommodations were first made available in the long-term trend assessments in 2004 as part of the changes made to the assessment. The category "students with disabilities" includes students identified as having either an Individualized Education Program or protection under Section 504 of the Rehabilitation Act of 1973. The results for students with disabilities and English learners are based on students who were assessed and cannot be generalized to the total population of such students. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), various years, 1971–2020 Long-Term Trend Reading Assessments.

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Average score results in NAEP long-term trend reading, by age group and selected characteristics: Various years, 1971–2020

Age group and characteristics	1971	1975	1980	1984	1988	1990	1992	1994	1996	1999	2004 ¹	2004 ²	2008	2012	2020
Age 9															
Overall average score	208*	210*	215*	211*	212*	209*	211*	211*	212*	212*	219	216*	220	221	220
Race/ethnicity															
White	214*	217*	221*	218*	218*	217*	218*	218*	220*	221*	226	224*	228	229	228
Black	170*	181*	189*	186*	189*	182*	185*	185*	191*	186*	200	197*	204	206	205
Hispanic	—	183*	190*	187*	194*	189*	192*	186*	195*	193*	205	199*	207	208	210
Other	—	208*	218*	222	228	206*	208*	211*	214*	215*	230	225	231	230	229
Gender															
Male	201*	204*	210*	207*	207*	204*	206*	207*	207*	209*	216	212*	216	218	217
Female	214*	216*	220	214*	216*	215*	215*	215*	218*	215*	221	219	224	223	222
Eligibility for free/reduced-price school lunch															
Eligible	—	—	—	—	—	—	—	—	—	—	205	199*	204	207	207
Not eligible	—	—	—	—	—	—	—	—	—	—	227*	227*	230	235	232
Information not available	—	—	—	—	—	—	—	—	—	—	229	227	237	237	231
Type of school															
Public	—	—	214*	209*	210*	208*	209*	209*	210*	210*	217	214*	218	220	219
Catholic	—	—	226	221*	223	225	223	223	227	225	228	230	235	231	229
Grade attended															
3rd grade or below	178*	183*	189*	187*	193*	189*	192*	194*	196*	195*	203*	201*	207	207	206
4th grade	217*	218*	225*	223*	223*	224*	224*	222*	221*	219*	227	224*	228	229	228
5th grade or above	232	226	243	254	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
School location															
City	—	—	—	—	—	—	—	—	—	—	—	—	215	216	213
Suburb	—	—	—	—	—	—	—	—	—	—	—	—	225	226	225
Town	—	—	—	—	—	—	—	—	—	—	—	—	215	218	219
Rural	—	—	—	—	—	—	—	—	—	—	—	—	220	220	219
Region of the country															
Northeast	—	—	—	—	—	—	—	—	—	—	223	221	226	227	226
Midwest	—	—	—	—	—	—	—	—	—	—	221	217	218	219	221
South	—	—	—	—	—	—	—	—	—	—	217	214*	221	222	220
West	—	—	—	—	—	—	—	—	—	—	215	212	216	217	215
Status as students with disabilities (SD)															
SD	—	—	—	—	—	—	—	—	—	—	‡	178*	182	183	187
Not SD	—	—	—	—	—	—	—	—	—	—	‡	219*	224	225	225
Status as English learners (EL)															
EL	—	—	—	—	—	—	—	—	—	—	‡	187*	193	191	193
Not EL	—	—	—	—	—	—	—	—	—	—	‡	218*	223	225	223
Age 13															
Overall average score	255*	256*	258	257*	257*	257*	260	258	258	259	259	257*	260	263*	260
Race/ethnicity															
White	261*	262*	264*	263*	261*	262*	266	265*	266	267	266	265*	268	270	269
Black	222*	226*	233*	236*	243	241	238	234*	234*	238	244	239	247	247	244
Hispanic	—	232*	237*	240*	240*	238*	239*	235*	238*	244	242*	241*	242*	249	250
Other	—	256*	254*	261*	269	253*	268	257*	253*	258*	265*	264*	270	280	273
Gender															
Male	250*	250*	254	253*	252*	251*	254	251*	251*	254	254	252*	256	259	255
Female	261*	262*	263	262*	263	263	265	266	264	265	264	262*	264	267	265
Eligibility for free/reduced-price school lunch															
Eligible	—	—	—	—	—	—	—	—	—	—	—	245	241*	244*	247
Not eligible	—	—	—	—	—	—	—	—	—	—	—	266*	264*	268*	274
Information not available	—	—	—	—	—	—	—	—	—	—	—	273*	274*	271	282*
Type of school															
Public	—	—	257*	255*	256*	255*	257	256*	256*	257	257	255*	258	261	260
Catholic	—	—	270*	270*	266*	273	275	273	275	279	278	276	275	277	277
Grade attended															
7th grade or below	230*	232*	240*	239*	243*	243*	243*	244*	245*	247	249	246*	250	251	250
8th grade	265	265	266	267	267	266	272*	269*	266	267	265	263	266	270*	266
9th grade or above	278	278	274	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
Parents' highest education level															
Did not finish high school	—	—	—	—	—	—	—	—	—	—	—	—	238*	239*	248
Graduated from high school	—	—	—	—	—	—	—	—	—	—	—	—	249	251*	248
Some education after high school	—	—	—	—	—	—	—	—	—	—	—	—	261	265*	264
Graduated from college	—	—	—	—	—	—	—	—	—	—	—	—	266*	270	273
Unknown	—	—	—	—	—	—	—	—	—	—	—	—	238	241	243
School location															
City	—	—	—	—	—	—	—	—	—	—	—	—	254	260	256
Suburb	—	—	—	—	—	—	—	—	—	—	—	—	265	268	265
Town	—	—	—	—	—	—	—	—	—	—	—	—	258	256	255
Rural	—	—	—	—	—	—	—	—	—	—	—	—	260	261	258
Region of the country															
Northeast	—	—	—	—	—	—	—	—	—	—	265	264	264	270*	262
Midwest	—	—	—	—	—	—	—	—	—	—	260	259	262	263	263
South	—	—	—	—	—	—	—	—	—	—	257	254*	261	261	259
West	—	—	—	—	—	—	—	—	—	—	255	252	253	261	258
Status as students with disabilities (SD)															
SD	—	—	—	—	—	—	—	—	—	—	—	‡	216*	224	224
Not SD	—	—	—	—	—	—	—	—	—	—	—	‡	260*	264	267
Status as English learners (EL)															
EL	—	—	—	—	—	—	—	—	—	—	—	‡	217	217	217
Not EL	—	—	—	—	—	—	—	—	—	—	—	‡	258*	262	265

— Not available.

‡ Reporting standards not met. Sample size insufficient to permit a reliable estimate.

* Significantly different ($p < .05$) from 2020.

¹ Original assessment format. Results prior to 2004 are also from the original assessment format.

² Revised assessment format. Results after 2004 are also from the revised assessment format.

NOTE: NOTE: Black includes African American, Hispanic included Latino, and "Other" includes Asian/Pacific Islander, American Indian/Alaska Native, and unclassified, which was used in the NAEP long-term trend assessment prior to 2012 and was classified as Two or More Races in 2012 and later assessment years. Race categories exclude Hispanic origin. For the grade attended variable, fourth grade is the typical grade for 9-year-old students and eighth grade is the typical grade for 13-year-old students. Results are not available for parents' highest education level prior to 2004 in NAEP long-term trend reading assessments because the wording of the survey question for this variable in the revised format of the reading assessments administered in 2004 and later was different from previous years. For students at age 9, results are not shown for the parental education level category because research indicates that these students are less likely to report this information accurately. Results are not shown for private schools under the type of school category because the participation rate for private schools did not meet the minimum participation guidelines for reporting in 2020. Results are not available for eligibility for the National School Lunch Program (NSLP) prior to 2004 in NAEP long-term trend assessments. The information about NSLP variable is based on available school records. If school records were not available, the student was classified as "Information not available." NAEP aims to include all students sampled for the assessments including students with disabilities and English learners. This goal is accomplished by allowing many of the same accommodations that students use on other tests such as extra testing time or individual administration. Traditionally, the long-term trend assessments have not provided such accommodations. Accommodations were first made available in the long-term trend assessments in 2004 as part of the changes made to the assessment. The category "students with disabilities" includes students identified as having either an Individualized Education Program or protection under Section 504 of the Rehabilitation Act of 1973. The results for students with disabilities and English learners are based on students who were assessed and cannot be generalized to the total population of such students.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), various years, 1971–2020 Long-Term Trend Reading Assessments.

National Center for Education Statistics

2020 Long-Term Trend Reading and Mathematics Assessments at Ages 9 and 13: Summary Data Tables for National Sample Sizes, Participation Rates, Proportions of SD and EL Students Identified, Accommodation Types, Demographics, and Performance Results

Percentage distribution of students in NAEP long-term trend mathematics, by age group and selected characteristics: Various years, 1971–2020

Age group and characteristics	1978	1982	1986	1990	1992	1994	1996	1999	2004 ¹	2004 ²	2008	2012	2020
Age 9													
Race/ethnicity													
White	79*	79*	77*	74*	75*	75*	72*	70*	60*	59*	54*	52	46
Black	14	14	15	16	16	15	16	18*	15	16	16	13	15
Hispanic	5*	5*	6*	5*	6*	6*	8*	8*	18*	18*	23*	26	29
Other	1*	2*	2*	4*	3*	4*	5*	4*	7*	7*	7*	9	10
Gender													
Male	50	49	50	49	49	49	50	49	49	50	50	50	50
Female	50	51	50	51	51	51	50	51	51	50	50	50	50
Eligibility for free/reduced-price school lunch													
Eligible	—	—	—	—	—	—	—	—	—	39*	41*	42*	51
Not eligible	—	—	—	—	—	—	—	—	—	49*	49*	50*	44
Information not available	—	—	—	—	—	—	—	—	—	11*	10*	8	7
Type of school													
Public	89	86*	84*	89	87*	88*	87*	88*	88*	90*	90*	92	93
Catholic	10*	9*	12*	7*	9*	7*	9*	8*	6*	5*	5*	3	3
Grade attended													
3rd grade or below	26*	31*	34*	35*	38	33*	33*	35*	35*	36*	39	37	40
4th grade	73*	69*	66*	65*	62	66*	66*	65*	64*	64*	61	63	60
5th grade or above	1*	1*	#*	#*	#	#	#	#	#*	#	#	#	#
School location													
City	—	—	—	—	—	—	—	—	—	—	—	29	31
Suburb	—	—	—	—	—	—	—	—	—	—	—	39	34*
Town	—	—	—	—	—	—	—	—	—	—	—	11	12
Rural	—	—	—	—	—	—	—	—	—	—	—	21	24*
Region of the country													
Northeast	—	—	—	—	—	—	—	—	—	19	19	18	16
Midwest	—	—	—	—	—	—	—	—	—	22	22	20	21
South	—	—	—	—	—	—	—	—	—	31*	32*	38	39
West	—	—	—	—	—	—	—	—	—	28	27	23	24
Status as students with disabilities (SD)													
SD	—	—	—	—	—	—	—	—	—	‡	9*	9*	10*
Not SD	—	—	—	—	—	—	—	—	—	‡	91*	91*	90*
Status as English learners (EL)													
EL	—	—	—	—	—	—	—	—	—	‡	8*	10*	12
Not EL	—	—	—	—	—	—	—	—	—	‡	92*	90*	88
Age 13													
Race/ethnicity													
White	80*	79*	77*	73*	74*	73*	71*	71*	66*	62*	58*	56*	46
Black	13	14	14	16	16	15	15	15	15	16	15	15	14
Hispanic	6*	5*	7*	7*	7*	8*	9*	10*	15*	17*	21*	21*	29
Other	1*	2*	2*	4*	3*	4*	4*	4*	4*	5*	6*	8	10
Gender													
Male	50*	50	50	50*	50	49*	48*	50	48*	49*	50*	51	52
Female	50*	50	50	50*	50	51*	52*	50	52*	51*	50*	49	48
Eligibility for free/reduced-price school lunch													
Eligible	—	—	—	—	—	—	—	—	—	35*	36*	36*	43
Not eligible	—	—	—	—	—	—	—	—	—	58*	56*	55*	49
Information not available	—	—	—	—	—	—	—	—	—	7	8	9	7
Parents' highest education level													
Did not finish high school	12*	11*	8	8*	6	6	6	6	7	7	7*	5	6
Graduated from high school	33*	34*	31*	27*	23*	23*	23*	21*	19*	18*	17*	15	13
Some education after high school	14*	14*	16*	17*	18*	17*	17*	17*	15*	15*	14*	13	12
Graduated from college	26*	32*	38*	41*	44*	46*	45*	48*	47*	47*	48*	54	53
Unknown	15	9*	8*	8*	8*	8*	10*	9*	12*	13*	14	12*	15
Type of school													
Public	91	89*	96	90	88*	88*	89	88	91	92	90*	91	92
Catholic	9*	8*	3	7*	8*	9*	7*	7	6*	4	5*	4	3
Grade attended													
7th grade or below	28*	28*	33	36	37	38	36	39	38	38	40*	39*	36
8th grade	72*	70*	67	63	62	62	63	61	62	62	60*	60*	64
9th grade or above	1*	1*	#	1	#	1	1	#	#	#	#	#	#
School location													
City	—	—	—	—	—	—	—	—	—	—	—	31	29
Suburb	—	—	—	—	—	—	—	—	—	—	—	36	36
Town	—	—	—	—	—	—	—	—	—	—	—	14	11
Rural	—	—	—	—	—	—	—	—	—	—	—	19	23*
Region of the country													
Northeast	—	—	—	—	—	—	—	—	—	18	20*	17	16
Midwest	—	—	—	—	—	—	—	—	—	21	20	23	21
South	—	—	—	—	—	—	—	—	—	35	36	35	37
West	—	—	—	—	—	—	—	—	—	25	24	25	23
Status as students with disabilities (SD)													
SD	—	—	—	—	—	—	—	—	—	‡	9*	10*	11*
Not SD	—	—	—	—	—	—	—	—	—	‡	91*	90*	89*
Status as English learners (EL)													
EL	—	—	—	—	—	—	—	—	—	‡	5*	6*	4*
Not EL	—	—	—	—	—	—	—	—	—	‡	95*	94*	96*

— Not available.

‡ Reporting standards not met. Sample size insufficient to permit a reliable estimate.

Rounds to zero.

* Significantly different ($p < .05$) from 2020.

¹ Original assessment format. Results prior to 2004 are also from the original assessment format.

² Revised assessment format. Results after 2004 are also from the revised assessment format.

NOTE: Black includes African American, Hispanic includes Latino, and "Other" includes Asian/Pacific Islander, American Indian/Alaska Native, and unclassified, which was used in the NAEP long-term trend assessment prior to 2012 and was classified as Two or More Races in 2012 and later assessment years. Race categories exclude Hispanic origin. For the grade attended variable, fourth grade is the typical grade for 9-year-old students and eighth grade is the typical grade for 13-year-old students. For students at age 9, results are not shown for the parental education level category because research indicates that these students are less likely to report this information accurately. Results are not shown for private schools under the type of school category because the participation rate for private schools did not meet the minimum participation guidelines for reporting in 2020. Results are not available for eligibility for the National School Lunch Program (NSLP) prior to 2004 in NAEP long-term trend assessments. The information about NSLP variable is based on available school records. If school records were not available, the student was classified as "Information not available." NAEP aims to include all students sampled for the assessments including students with disabilities and English learners. This goal is accomplished by allowing many of the same accommodations that students use on other tests such as extra testing time or individual administration. Traditionally, the long-term trend assessments have not provided such accommodations. Accommodations were first made available in the long-term trend assessments in 2004 as part of the changes made to the assessment. The category "students with disabilities" includes students identified as having either an Individualized Education Program or protection under Section 504 of the Rehabilitation Act of 1973. The results for students with disabilities and English learners are based on students who were assessed and cannot be generalized to the total population of such students. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), various years, 1978–2020 Long-Term Trend Mathematics Assessments.

National Center for Education Statistics

2020 Long-Term Trend Reading and Mathematics Assessments at Ages 9 and 13: Summary Data Tables for National Sample Sizes, Participation Rates, Proportions of SD and EL Students Identified, Accommodation Types, Demographics, and Performance Results

Average score results in NAEP long-term trend mathematics, by age group and selected characteristics: Various years, 1971–2020

Age group and characteristics	1978	1982	1986	1990	1992	1994	1996	1999	2004 ¹	2004 ²	2008	2012	2020
Age 9													
Overall average score	219*	219*	222*	230*	230*	231*	231*	232*	241	239	243	244	241
Race/ethnicity													
White	224*	224*	227*	235*	235*	237*	237*	239*	247	245*	250	252	250
Black	192*	195*	202*	208*	208*	212*	212*	211*	224	221	224	226	225
Hispanic	203*	204*	205*	214*	212*	210*	215*	213*	230	229	234	234	232
Other	227*	239*	222*	235*	239*	231*	232*	243*	256	253	256	254	253
Gender													
Male	217*	217*	222*	229*	231*	232*	233*	233*	243	239*	242	244	243
Female	220*	221*	222*	230*	228*	230*	229*	231*	240	240	243*	244*	239
Eligibility for free/reduced-price school lunch													
Eligible	—	—	—	—	—	—	—	—	229	225*	229	232	229
Not eligible	—	—	—	—	—	—	—	—	250*	249*	253	257	254
Information not available	—	—	—	—	—	—	—	—	248	249	252	255	251
Type of school													
Public	217*	217*	220*	229*	228*	229*	230*	231*	241	239	242	243	241
Catholic	230*	232*	233*	235*	241	243	239*	241	242	247	251	251	248
Grade attended													
3rd grade or below	191*	193*	198*	207*	208*	211*	211*	214*	223	221*	226	226	225
4th grade	228*	230*	234*	242*	242*	241*	241*	242*	251	250	253	254	252
5th grade or above	240	258	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
School location													
City	—	—	—	—	—	—	—	—	—	—	239	239	236
Suburb	—	—	—	—	—	—	—	—	—	—	247	250	245
Town	—	—	—	—	—	—	—	—	—	—	238	238	242
Rural	—	—	—	—	—	—	—	—	—	—	243	244	242
Region of the country													
Northeast	—	—	—	—	—	—	—	—	245	244	250	248	248
Midwest	—	—	—	—	—	—	—	—	240	240	244	242	243
South	—	—	—	—	—	—	—	—	240	236	239	244	241
West	—	—	—	—	—	—	—	—	240	239	242*	244*	236
Status as students with disabilities (SD)													
SD	—	—	—	—	—	—	—	—	‡	209*	214	216	215
Not SD	—	—	—	—	—	—	—	—	‡	243*	246	247	245
Status as English learners (EL)													
EL	—	—	—	—	—	—	—	—	‡	222	224	225	222
Not EL	—	—	—	—	—	—	—	—	‡	241*	245	247	244
Age 13													
Overall average score	264*	269*	269*	270*	273*	274*	274*	276*	281	279	281	285*	280
Race/ethnicity													
White	272*	274*	274*	276*	279*	281*	281*	283*	288	287*	290	293	291
Black	230*	240*	249*	249*	250*	252	252	251	262	257	262*	264*	256
Hispanic	238*	252*	254*	255*	259*	256*	256*	259*	265	264	268	271*	267
Other	273*	275*	283*	274*	282*	284*	280*	283*	292	290*	296	305	298
Gender													
Male	264*	269*	270*	271*	274*	276*	276*	277*	283	279	284	286*	281
Female	265*	268*	268*	270*	272*	273*	272*	274*	279	278	279	284*	278
Eligibility for free/reduced-price school lunch													
Eligible	—	—	—	—	—	—	—	—	265	262	266	269*	264
Not eligible	—	—	—	—	—	—	—	—	289*	288*	290*	296	294
Information not available	—	—	—	—	—	—	—	—	293	294	291	301*	287
Parents' highest education level													
Did not finish high school	245*	251*	252*	253*	256*	255*	254	256	262	263	268*	266	261
Graduated from high school	263	263	263	263	263	266	267	264	271*	270*	272*	270*	264
Some education after high school	273*	275*	274*	277*	278	277	277	279	283	282	285*	286*	281
Graduated from college	284*	282*	280*	280*	283*	285*	283*	286*	292	289*	291	296*	292
Unknown	240*	252*	247*	248*	253*	252*	259	258	263	262	264	266*	261
Type of school													
Public	263*	267*	269*	269*	272*	273*	273*	274*	280	278	280	284*	279
Catholic	279*	280*	273*	279*	280*	283*	285	288	289	289	293	295	293
Grade attended													
7th grade or below	240*	247*	251*	253*	258*	259*	263*	265*	271	268	272	274	271
8th grade	274*	277*	278*	280*	282*	283	280*	283	287	285	288*	292*	285
9th grade or above	298	304	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
School location													
City	—	—	—	—	—	—	—	—	—	—	277	282*	273
Suburb	—	—	—	—	—	—	—	—	—	—	286	291*	285
Town	—	—	—	—	—	—	—	—	—	—	282	276	274
Rural	—	—	—	—	—	—	—	—	—	—	280	283	281
Region of the country													
Northeast	—	—	—	—	—	—	—	—	285	282	285	291*	284
Midwest	—	—	—	—	—	—	—	—	283	281	284	285	284
South	—	—	—	—	—	—	—	—	277	276	281	282*	276
West	—	—	—	—	—	—	—	—	281	278	278	285	279
Status as students with disabilities (SD)													
SD	—	—	—	—	—	—	—	—	‡	243	246	249*	242
Not SD	—	—	—	—	—	—	—	—	‡	282*	285	289*	285
Status as English learners (EL)													
EL	—	—	—	—	—	—	—	—	‡	245	252*	250*	242
Not EL	—	—	—	—	—	—	—	—	‡	280	283	287*	283

— Not available.

‡ Reporting standards not met. Sample size insufficient to permit a reliable estimate.

* Significantly different ($p < .05$) from 2020.

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