

TABLE S1-1

Average mathematics assessment test scores of children who were in kindergarten for the first time in the 2010–11 school year and in grade 5 in the 2015–16 school year, by child and family characteristics

(Average score)

Child and family characteristic	Kindergarten, fall 2010	Kindergarten, spring 2011	Grade 1, spring 2012	Grade 2, spring 2013	Grade 3, spring 2014	Grade 4, spring 2015	Grade 5, spring 2016
All children	36.8	51.3	74.5	92.0	105.9	114.3	121.4
Sex							
Male	37.1	51.4	75.5	93.7	107.9	116.2	122.4
Female	36.5	51.1	73.5	90.3	103.9	112.5	120.3
Race or ethnicity ^a							
White	39.5	54.5	78.5	96.6	110.5	118.9	125.9
Black or African American	32.7	45.4	67.1	81.3	94.6	102.9	110.3
Hispanic or Latino	32.0	46.4	68.4	85.8	100.0	108.7	115.7
Asian	41.0	54.2	77.9	98.9	112.6	121.0	128.7
Native Hawaiian or Other Pacific Islander	36.0	52.8	74.2	93.2	107.4	115.6	123.4
American Indian or Alaska Native	34.4	49.4	74.3	92.9	107.6	114.5	121.2
More than one race	38.6	52.9	76.4	95.0	107.5	115.9	122.5
Family poverty status in fall 2010 ^b							
Income below the federal poverty level	31.5	45.6	67.8	84.6	98.4	106.7	113.5
Income at or above 200% of the federal poverty level	40.4	55.2	78.9	97.2	110.9	119.2	126.4
Family type in fall 2010 ^c							
One-parent household	33.1	47.0	70.0	85.8	99.7	107.8	114.5
Two-parent household	38.1	52.8	76.2	94.2	108.1	116.6	123.7
Primary home language in fall 2010							
English	37.8	52.3	75.7	93.2	107.0	115.3	122.2
Not English	31.2	45.6	68.0	85.8	100.0	109.3	116.6
Parents' highest education in fall 2010 ^d							
Less than high school education	28.8	43.6	65.9	82.3	95.7	104.5	111.6
High school diploma or equivalent	32.0	45.8	68.5	85.4	99.6	107.7	114.9
Some college, associate's degree, or career or technical education	35.6	50.1	73.1	90.2	104.5	112.9	119.6
Bachelor's degree	40.5	55.1	79.0	97.2	110.9	119.5	126.6
Graduate or professional school	43.8	58.7	82.5	101.6	114.5	123.1	130.3

^a Hispanic may be any race; race categories exclude Hispanic origin.

^b Poverty status is based on 2010 U.S. Census poverty thresholds, which identify incomes determined to meet household needs, given family size. For example, in 2010, a family of two was below the poverty threshold if its income was lower than \$14,220.

^c Two-parent household includes two biological parents, two adoptive parents, and one biological or adoptive parent and one other parent or partner. One-parent household refers to one biological or adoptive parent only.

^d The highest level of education achieved by either of the parents or guardians in a two-parent household or by the only parent or guardian in a one-parent household.

Note(s)

The possible range of scores for the mathematics assessment was 0–159. The fall kindergarten mathematics scores have a mean of 36.8 and a standard deviation of 11.23, and the spring grade 5 mathematics scores have a mean of 121.4 and a standard deviation of 15.90.

Source(s)

Mulligan GM, McCarroll JC, Flanagan KD, and McPhee C, *Findings From the Fifth-Grade Round of the Early Childhood Longitudinal Study, Kindergarten Class of 2010–11 (ECLS-K:2011)*, NCES 2019-130 (2019).

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