

Percent of eighth graders scoring at least proficient in math in each racial/ethnic group, SY2016-2017

A solid grasp of math increases children's employability in adulthood. In Kentucky, Black and Hispanic students face greater barriers to math proficiency than White and Asian students. Even among low-income children, Black eighth graders are less likely to score at or above proficient in math than their White peers. One contributor to this disparity is the overrepresentation of Black students in high-poverty schools, as attending a high-poverty school lowers the math achievement of students. After controlling for socioeconomic status, Black children are still much more likely to attend high-poverty schools than White students.

	African American	American Indian or Alaska Native	Asian	Hispanic	Native Hawaiian or Other Pacific Islander	Two or more races	White (non-Hispanic)
Kentucky	25.8	47.5	75.6	40.1		44.0	52.1
Anderson County						45.5	50.8
Bardstown Independent	21.4					36.8	41.2
Barren County				54.5			49.5
Boone County	26.2			29.9			54.4
Bourbon County				46.2			51.4
Bowling Green Independent	57.9			68.4			83.2
Bullitt County			85.7	52.9		45.0	49.3
Caldwell County	46.7						69.3
Campbellsville Independent						30.0	40.0
Carroll County				45.5			27.1
Christian County	25.2					28.6	40.0
Clark County	17.4			42.1		41.7	45.8
Covington Independent	27.3					34.4	38.3
Danville Independent				7.7			52.4
Daviess County			25.0	42.4		48.0	56.3
Elizabethtown Independent	41.2			42.9		66.7	79.3
Erlanger-Elsmere Independent	17.4					30.0	33.0
Fayette County	24.8		85.5	36.4		53.6	65.9
Franklin County	24.3		62.5	18.5		33.3	37.3
Glasgow Independent	28.6			66.7			68.6
Grant County				23.1			30.6
Graves County				52.4			49.1
Hardin County			73.3			41.8	55.3

Henderson County	54.5					60.0	74.5
Hopkins County				25.0		33.3	56.0
Jefferson County	25.0		73.1	38.9	42.9	36.0	52.6
Jessamine County				50.0		47.4	44.0
Kenton County	52.9		72.2			66.7	59.1
Lincoln County				10.0			39.7
Madison County			80.0			56.7	52.6
Marion County	35.7			45.5			
Mason County	10.0					40.0	54.9
Mayfield Independent				31.4		33.3	42.2
Meade County				50.0			74.0
Montgomery County				60.0			56.4
Newport Independent	15.0			36.4		69.2	58.6
Ohio County				52.9			50.8
Oldham County	40.7			58.5		45.5	66.5
Owensboro Independent	36.4			57.1		50.0	60.8
Paducah Independent	18.5					33.3	50.0
Paris Independent	31.3			45.5			55.0
Pulaski County				73.3			64.8
Russellville Independent	27.3						42.1
Scott County	19.1			19.6			43.4
Shelby County	13.5			19.5		38.5	40.4
Simpson County	31.0						60.8
Spencer County						60.0	67.8
Trigg County	5.6						44.6
Union County	25.0						38.8
Warren County				45.5			60.2
Webster County				30.8			55.8
Woodford County	41.2			44.9		71.4	65.5

Source: Kentucky Department of Education, School Report Card. Data as of March 14, 2018.

Data notes: Only geographies that had more than one racial group with reliable data are presented in this analysis. Blank cells reflect data suppression due to low reliability. Racial/ethnic categories reflect those used by the data source.

Percent of eighth graders scoring at least proficient in math in each racial/ethnic group, SY2015-2016

A solid grasp of math increases children's employability in adulthood. In Kentucky, Black and Hispanic students face greater barriers to math proficiency than White and Asian students. Even among low-income children, Black eighth graders are less likely to score at or above proficient in math than their White peers. One contributor to this disparity is the overrepresentation of Black students in high-poverty schools, as attending a high-poverty school lowers the math achievement of students. After controlling for socioeconomic status, Black children are still much more likely to attend high-poverty schools than White students.

	African American	American Indian or Alaska Native	Asian	Hispanic	Native Hawaiian or Other Pacific Islander	Two or more races	White (non-Hispanic)
Kentucky	23.3	41.0	72.4	33.8		36.4	49.2
Anderson County						45.5	48.0
Bardstown Independent	21.9					8.3	43.8
Boone County			82.1	34.0		42.9	58.2
Bourbon County				33.3			49.1
Bowling Green Independent	32.0		92.3	53.2			72.1
Bullitt County	27.3			41.9		31.8	45.4
Caldwell County	41.7						63.4
Calloway County				25.0			52.7
Campbellsville Independent	8.3						44.4
Carroll County				31.3			36.2
Christian County	27.1			27.0			50.0
Clark County	28.6			16.7			49.4
Covington Independent	7.8			11.8		18.5	25.0
Danville Independent	28.6					20.0	45.1
Daviess County	23.1		52.4				53.8
Elizabethtown Independent	37.5					66.7	62.0
Erlanger-Elsmere Independent				31.3			28.9
Fayette County	25.0		78.4	30.8			63.4
Frankfort Independent	0.0					20.0	28.1
Franklin County	18.8			27.6		15.4	36.4
Gallatin County				0.0			16.0
Garrard County				45.5			43.5
Glasgow Independent	48.1			61.1			63.3

Grant County				38.5			42.6
Graves County				33.3			43.1
Hardin County	27.6		52.9	43.3			44.9
Henderson County	40.4					43.3	65.8
Hopkins County				63.2		40.9	53.0
Jefferson County	21.5	40.0	70.1	30.2		30.3	49.3
Jessamine County				40.6			44.2
Kenton County				40.0			55.1
Lincoln County				15.4		9.1	33.7
Logan County	50.0						57.4
Madison County	37.1					36.8	49.8
Mason County	23.5						51.7
Mayfield Independent	10.5			24.0			39.7
McCracken County	31.8			35.3		20.0	55.6
Meade County				54.5		40.0	66.7
Mercer County	27.3			15.4			33.5
Montgomery County				25.0			55.3
Nelson County				30.0			47.0
Newport Independent	24.0					22.7	29.4
Ohio County				64.7			52.5
Oldham County			87.5	51.1		53.3	67.2
Owensboro Independent	43.2			25.9		40.6	44.5
Paducah Independent	9.1					47.1	45.9
Russellville Independent	41.7						47.8
Scott County				34.1			54.2
Shelby County	11.3			20.2			39.6
Simpson County	14.3						53.9
Spencer County				70.0			54.9
Union County	57.1						48.9
Warren County	26.1			44.2		33.3	63.1
Woodford County	38.5			31.4			57.6

Source: Kentucky Department of Education, School Report Card. Data as of March 14, 2018.

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Percent of eighth graders scoring at least proficient in math in each racial/ethnic group, SY2014-2015

A solid grasp of math increases children's employability in adulthood. In Kentucky, Black and Hispanic students face greater barriers to math proficiency than White and Asian students. Even among low-income children, Black eighth graders are less likely to score at or above proficient in math than their White peers. One contributor to this disparity is the overrepresentation of Black students in high-poverty schools, as attending a high-poverty school lowers the math achievement of students. After controlling for socioeconomic status, Black children are still much more likely to attend high-poverty schools than White students.

	African American	American Indian or Alaska Native	Asian	Hispanic	Native Hawaiian or Other Pacific Islander	Two or more races	White (non-Hispanic)
Kentucky	21.8	43.4	67.0	35.7	41.8	37.3	47.4
Anderson County				33.3		57.1	41.4
Bardstown Independent	29.2						37.4
Barren County				46.2			47.4
Boone County	31.0		81.6	27.6			55.0
Bourbon County				43.8			51.6
Bowling Green Independent	33.8		76.9	33.3			69.9
Bullitt County	7.7			26.9		41.2	37.4
Caldwell County	27.3						60.8
Carroll County				60.0			30.1
Christian County	20.1					36.8	38.8
Clark County	29.2			44.4			47.8
Covington Independent	31.3					31.0	33.9
Danville Independent	13.0					28.6	36.6
Daviess County						37.5	49.4
Elizabethtown Independent	3.8					21.4	36.4
Erlanger-Elsmere Independent						0.0	25.0
Fayette County	23.1		78.8	33.4		43.0	61.5
Frankfort Independent	0.0						16.2
Franklin County	13.0			32.0		18.5	28.8
Fulton Independent	0.0						16.7
Gallatin County				18.8			24.8
Glasgow Independent	39.3						70.9
Grant County				33.3			35.2

Graves County				33.3		37.5	53.0
Hardin County			50.0		33.3		47.2
Henderson County	57.8					63.3	71.9
Jefferson County	19.8	20.0	64.3	34.0	54.5	42.5	45.6
Jessamine County	20.8			44.4		25.0	38.7
Kenton County	59.1			45.9		33.3	54.7
Lincoln County						26.7	37.4
Madison County			61.5	35.5		29.6	46.6
Mason County	47.1						48.1
Mayfield Independent	10.5			23.8			47.4
McCracken County						54.5	45.2
Meade County				50.0		58.3	60.9
Mercer County	18.2						36.4
Montgomery County				73.7			69.8
Muhlenberg County	35.3						37.9
Murray Independent	40.0						78.8
Newport Independent	33.3			41.7			41.8
Ohio County				58.3			56.9
Oldham County				47.9		59.3	68.3
Owensboro Independent	28.1			45.0		40.0	50.2
Paducah Independent	12.9						41.9
Paris Independent	18.2						48.1
Pulaski County				56.3			58.7
Russellville Independent	15.8						25.0
Scott County	15.4			26.4		30.0	46.2
Shelby County	12.5			23.8		25.0	48.7
Simpson County	9.7					27.3	41.8
Spencer County				80.0			49.5
Todd County	30.8						39.5
Trigg County	8.3						48.3
Union County	25.0						37.2
Warren County	32.9		46.0	38.7		46.9	59.6
Woodford County				29.3		53.8	53.1

Source: Kentucky Department of Education, School Report Card. Data as of March 14, 2018.

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