

Kentucky Summative Assessments

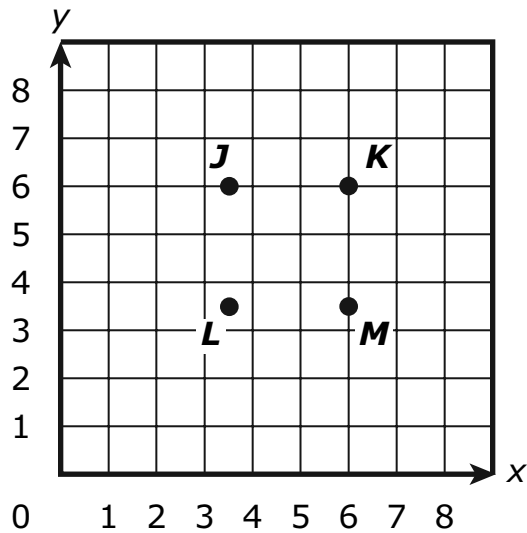


Grade 5 Mathematics Released Items 2025

**1**

MA0520172_4

The coordinate plane shows the location of four points.



Which point is located at $(6, 3\frac{1}{2})$?

- A** point *J*
- B** point *K*
- C** point *L*
- D** point *M*



Released Item Performance

Kentucky Summative Assessments

Spring 2025

Grade 5

Mathematics

Item: MA0520172

Book Question Number: 1

Standard: KY.5.G.1

Item Type: MC

Key: D

Student Group	Number of Students	Percent Correct	Average Item Score	Item Breakout Statistics - Answer Choice Options			
				A (%)	B (%)	C (%)	D (%)
All Students	11,000	69%	0.69	20%	3%	7%	69%
Gender							
Female	5,431	69%	0.69	20%	3%	8%	69%
Male	5,569	69%	0.69	21%	3%	7%	69%
Ethnicity							
African American	1,137	54%	0.54	27%	7%	12%	54%
American Indian or Alaska Native	25	72%	0.72	16%	4%	8%	72%
Asian	242	79%	0.79	16%	1%	4%	79%
Hispanic or Latino	984	64%	0.64	23%	5%	9%	64%
Native Hawaiian or Pacific Islander	19	58%	0.58	37%	0%	5%	58%
White (non-Hispanic)	7,982	72%	0.72	19%	2%	7%	72%
Two or more races	611	66%	0.66	22%	3%	9%	66%
Migrant							
Migrant	39	67%	0.67	18%	5%	10%	67%
English Learner							
English Learner	532	56%	0.56	29%	6%	10%	56%
Economically Disadvantaged							
Economically Disadvantaged	6,737	65%	0.65	22%	4%	9%	65%
Students with Disabilities							
Students with Disabilities	1,409	60%	0.60	25%	5%	10%	60%



2

MA0520090_4

Miguel drew a shape with 4 sides.

- The shape has 2 pairs of parallel sides and 4 right angles.
- The shape has a length of 6 centimeters and a width of 8 centimeters.

Which statement is true?

- A** The shape is a square because it is a rectangle and all rectangles are squares.
- B** The shape is a rhombus because it is a quadrilateral and all quadrilaterals are rhombuses.
- C** The shape is a trapezoid because it is a quadrilateral and all quadrilaterals are trapezoids.
- D** The shape is a parallelogram because it is a rectangle and all rectangles are parallelograms.



Released Item Performance

Kentucky Summative Assessments

Spring 2025
Grade 5
Mathematics

Item: MA0520090

Book Question Number: 2

Standard: KY.5.G.3

Item Type: MC

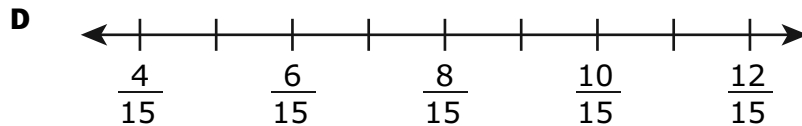
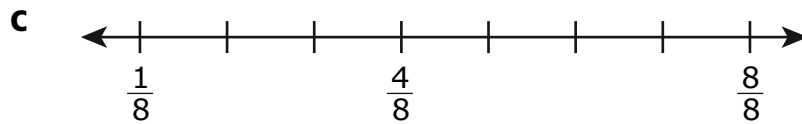
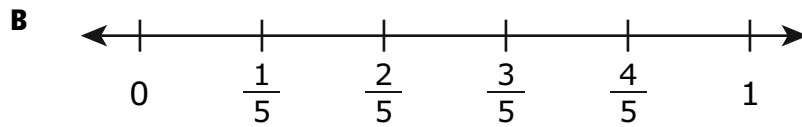
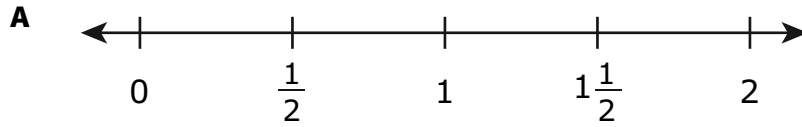
Key: D

Student Group	Number of Students	Percent Correct	Average Item Score	Item Breakout Statistics - Answer Choice Options			
				A (%)	B (%)	C (%)	D (%)
All Students	22,153	51%	0.51	27%	13%	9%	51%
Gender							
Female	10,944	50%	0.50	28%	13%	9%	50%
Male	11,209	51%	0.51	26%	13%	9%	51%
Ethnicity							
African American	2,236	36%	0.36	30%	21%	13%	36%
American Indian or Alaska Native	36	47%	0.47	33%	17%	3%	47%
Asian	477	66%	0.66	20%	10%	5%	66%
Hispanic or Latino	1,985	44%	0.44	27%	17%	11%	44%
Native Hawaiian or Pacific Islander	44	48%	0.48	30%	11%	11%	48%
White (non-Hispanic)	16,113	53%	0.53	27%	12%	8%	53%
Two or more races	1,262	49%	0.49	28%	13%	10%	49%
Migrant							
Migrant	76	33%	0.33	30%	22%	14%	33%
English Learner							
English Learner	1,109	34%	0.34	30%	21%	16%	34%
Economically Disadvantaged							
Economically Disadvantaged	13,530	45%	0.45	29%	16%	10%	45%
Students with Disabilities							
Students with Disabilities	2,779	42%	0.42	27%	18%	13%	42%

**3**

MA0521190_4

Which number line would be the best to use to determine the difference between $\frac{4}{5}$ and $\frac{1}{3}$?





Released Item Performance

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Spring 2025
Grade 5
Mathematics

Item: MA0521190

Book Question Number: 3

Standard: KY.5.NF.1

Item Type: MC

Key: D

Student Group	Number of Students	Percent Correct	Average Item Score	Item Breakout Statistics - Answer Choice Options			
				A (%)	B (%)	C (%)	D (%)
All Students	10,760	33%	0.33	9%	48%	9%	33%
Gender							
Female	5,297	31%	0.31	9%	50%	10%	31%
Male	5,463	36%	0.36	9%	46%	9%	36%
Ethnicity							
African American	1,039	25%	0.25	12%	52%	11%	25%
American Indian or Alaska Native	19	42%	0.42	0%	53%	5%	42%
Asian	252	53%	0.53	5%	35%	7%	53%
Hispanic or Latino	993	29%	0.29	9%	49%	12%	29%
Native Hawaiian or Pacific Islander	21	38%	0.38	0%	57%	5%	38%
White (non-Hispanic)	7,829	35%	0.35	8%	48%	9%	35%
Two or more races	607	29%	0.29	10%	49%	12%	29%
Migrant							
Migrant	48	31%	0.31	6%	42%	21%	31%
English Learner							
English Learner	554	22%	0.22	11%	49%	18%	22%
Economically Disadvantaged							
Economically Disadvantaged	6,470	28%	0.28	10%	52%	11%	28%
Students with Disabilities							
Students with Disabilities	1,351	25%	0.25	12%	50%	13%	25%



4

MA0520153_4,1

Which situations can be represented by the expression $\frac{1}{3} \div 6$?

Select **two** correct answers.

- A** A teacher shares $\frac{1}{3}$ package of paper equally among 6 students.
- B** A student serves $\frac{1}{3}$ cup of juice to each of 6 friends.
- C** A coach gives $\frac{1}{3}$ of a sandwich to each of 6 players.
- D** A baker cuts $\frac{1}{3}$ of a pie into 6 equal pieces.
- E** A student runs $\frac{1}{3}$ mile each day for 6 days.



Released Item Performance

Kentucky Summative Assessments

Spring 2025
Grade 5
Mathematics

Item: MA0520153

Book Question Number: 4

Standard: KY.5.NF.7.a

Item Type: MS

Key: A,D

Student Group	Number of Students	Percent Correct	Average Item Score	Item Breakout Statistics - Score Percentages		
				Score 0 (%)	Score 1 (%)	Score 2 (%)
All Students	24,852	58.0%	1.16	17%	50%	33%
Gender						
Female	11,930	56.9%	1.14	17%	51%	31%
Male	12,922	59.0%	1.18	16%	49%	34%
Ethnicity						
African American	2,712	52.4%	1.05	20%	55%	25%
American Indian or Alaska Native	37	59.5%	1.19	16%	49%	35%
Asian	569	66.6%	1.33	14%	38%	48%
Hispanic or Latino	2,753	52.9%	1.06	20%	53%	26%
Native Hawaiian or Pacific Islander	53	56.6%	1.13	21%	45%	34%
White (non-Hispanic)	17,337	59.5%	1.19	16%	50%	35%
Two or more races	1,391	57.8%	1.16	16%	52%	32%
Migrant						
Migrant	152	51.0%	1.02	19%	60%	21%
English Learner						
English Learner	2,164	48.8%	0.98	23%	56%	21%
Economically Disadvantaged						
Economically Disadvantaged	15,635	55.0%	1.10	19%	53%	29%
Students with Disabilities						
Students with Disabilities	4,904	50.2%	1.00	21%	58%	21%

**5**

MA0520116_1

Which expression is equivalent to 647×10^3 ?

A $64,700,000 \div 10^2$

B $6,470,000 \div 10^6$

C 6.47×10^6

D 0.647×10^7



Released Item Performance

Kentucky Summative Assessments

Spring 2025

Grade 5

Mathematics

Item: MA0520116

Book Question Number: 5

Standard: KY.5.NBT.2

Item Type: MC

Key: A

Student Group	Number of Students	Percent Correct	Average Item Score	Item Breakout Statistics - Answer Choice Options			
				A (%)	B (%)	C (%)	D (%)
All Students	32,921	37%	0.37	37%	23%	28%	12%
Gender							
Female	16,244	35%	0.35	35%	23%	29%	13%
Male	16,677	39%	0.39	39%	22%	27%	11%
Ethnicity							
African American	3,275	29%	0.29	29%	27%	31%	13%
American Indian or Alaska Native	56	32%	0.32	32%	25%	36%	7%
Asian	729	50%	0.50	50%	18%	21%	11%
Hispanic or Latino	2,978	32%	0.32	32%	25%	30%	13%
Native Hawaiian or Pacific Islander	65	38%	0.38	38%	26%	25%	11%
White (non-Hispanic)	23,947	39%	0.39	39%	22%	27%	12%
Two or more races	1,871	35%	0.35	35%	23%	29%	13%
Migrant							
Migrant	124	27%	0.27	27%	25%	30%	18%
English Learner							
English Learner	1,663	26%	0.26	26%	29%	32%	13%
Economically Disadvantaged							
Economically Disadvantaged	20,004	33%	0.33	33%	24%	29%	13%
Students with Disabilities							
Students with Disabilities	4,129	33%	0.33	33%	26%	28%	13%



6

MA0520119

Select from the drop-down menus to correctly complete the sentence.

The statement $71.861 > 71.816$ is true because the value of in 71.861 is the value of in 71.816.

Item Drop Down Options:

Select from the drop-down menus to correctly complete the sentence.

The statement $71.861 > 71.816$ is true because the value of in 71.861 is the value of in 71.816.

Options for the first dropdown (value of):
☒ Choose...
 8 tenths
 6 hundredths
 1 thousandth

Options for the second dropdown (in 71.861 is):
☒ Choose...
 equal to
 less than
 greater than

Options for the third dropdown (the value of):
☒ Choose...
 8 tenths
 6 hundredths
 1 hundredth

Correct Answer:

Select from the drop-down menus to correctly complete the sentence.

The statement $71.861 > 71.816$ is true because the value of in 71.861 is the value of in 71.816.



Released Item Performance

Kentucky Summative Assessments

Spring 2025

Grade 5

Mathematics

Item: MA0520119

Book Question Number: 6

Standard: KY.5.NBT.3.b

Item Type: TE

Key: see below

Student Group	Number of Students	Percent Correct	Average Item Score	Item Breakout Statistics - Score Percentages	
				Score 0 (%)	Score 1 (%)
All Students	32,925	65.5%	0.65	35%	65%
Gender					
Female	16,244	64.2%	0.64	36%	64%
Male	16,681	66.7%	0.67	33%	67%
Ethnicity					
African American	3,276	50.4%	0.50	50%	50%
American Indian or Alaska Native	56	62.5%	0.63	38%	63%
Asian	729	74.9%	0.75	25%	75%
Hispanic or Latino	2,980	58.6%	0.59	41%	59%
Native Hawaiian or Pacific Islander	65	67.7%	0.68	32%	68%
White (non-Hispanic)	23,950	68.2%	0.68	32%	68%
Two or more races	1,869	64.4%	0.64	36%	64%
Migrant					
Migrant	124	51.6%	0.52	48%	52%
English Learner					
English Learner	1,665	45.8%	0.46	54%	46%
Economically Disadvantaged					
Economically Disadvantaged	20,008	60.5%	0.61	39%	61%
Students with Disabilities					
Students with Disabilities	4,131	46.4%	0.46	54%	46%

Key: 6 hundredths, greater than, 1 hundredth



7

MA0520098_1

Which statement about the value of the numerical expression $8 + (19 \times 4)$ is true?

- A** The value is 8 more than the product of 19 and 4.
- B** The value is 8 more than the sum of 19 and 4.
- C** The value is 8 times the product of 19 and 4.
- D** The value is 8 times the sum of 19 and 4.



Released Item Performance

Kentucky Summative Assessments

Spring 2025
Grade 5
Mathematics

Item: MA0520098

Book Question Number: 7

Standard: KY.5.OA.2

Item Type: MC

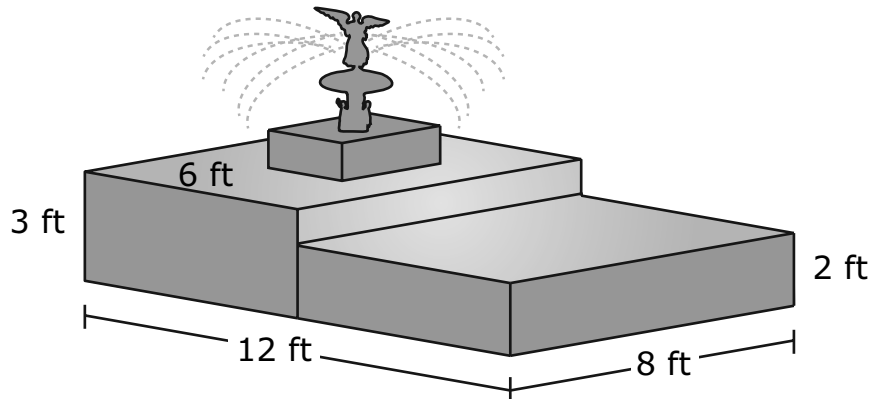
Key: A

Student Group	Number of Students	Percent Correct	Average Item Score	Item Breakout Statistics - Answer Choice Options			
				A (%)	B (%)	C (%)	D (%)
All Students	14,143	45%	0.45	45%	22%	21%	12%
Gender							
Female	6,660	44%	0.44	44%	22%	22%	12%
Male	7,483	46%	0.46	46%	22%	20%	13%
Ethnicity							
African American	1,680	35%	0.35	35%	27%	24%	14%
American Indian or Alaska Native	18	56%	0.56	56%	11%	22%	11%
Asian	318	58%	0.58	58%	14%	16%	11%
Hispanic or Latino	1,768	34%	0.34	34%	26%	25%	14%
Native Hawaiian or Pacific Islander	32	50%	0.50	50%	16%	19%	16%
White (non-Hispanic)	9,545	48%	0.48	48%	20%	20%	12%
Two or more races	782	43%	0.43	43%	22%	21%	14%
Migrant							
Migrant	105	27%	0.27	27%	25%	32%	16%
English Learner							
English Learner	1,619	28%	0.28	28%	28%	27%	17%
Economically Disadvantaged							
Economically Disadvantaged	9,206	40%	0.40	40%	24%	23%	14%
Students with Disabilities							
Students with Disabilities	3,577	33%	0.33	33%	28%	23%	17%



MA0520075_stimulus

A fountain at a park has the dimensions, in feet (ft), shown.



Formulas_5_MD_5_b_c

Figure	Volume
Right Rectangular Prism	$V = B \times h$ $V = l \times w \times h$

8

MA0520075_2

How many cubic feet of water can the fountain hold?

- A** 204
- B** 240
- C** 272
- D** 336



Released Item Performance

Kentucky Summative Assessments

Spring 2025
Grade 5
Mathematics

Item: MA0520075*

Book Question Number: 8

Standard: KY.5.MD.5.c

Item Type: MC

Key: B

Student Group	Number of Students	Percent Correct	Average Item Score	Item Breakout Statistics - Answer Choice Options			
				A (%)	B (%)	C (%)	D (%)
All Students	24,913	36%	0.36	25%	36%	20%	18%
Gender							
Female	11,960	34%	0.34	26%	34%	20%	19%
Male	12,953	37%	0.37	25%	37%	21%	17%
Ethnicity							
African American	2,718	31%	0.31	22%	31%	23%	24%
American Indian or Alaska Native	37	41%	0.41	22%	41%	30%	8%
Asian	570	47%	0.47	27%	47%	15%	11%
Hispanic or Latino	2,761	34%	0.34	22%	34%	23%	20%
Native Hawaiian or Pacific Islander	53	23%	0.23	21%	23%	28%	28%
White (non-Hispanic)	17,382	36%	0.36	26%	36%	20%	18%
Two or more races	1,392	32%	0.32	26%	32%	23%	18%
Migrant							
Migrant	153	33%	0.33	20%	33%	24%	24%
English Learner							
English Learner	2,173	32%	0.32	20%	32%	25%	23%
Economically Disadvantaged							
Economically Disadvantaged	15,683	33%	0.33	25%	33%	22%	20%
Students with Disabilities							
Students with Disabilities	4,930	32%	0.32	23%	32%	21%	24%

* Calculator section



Investing in Kentucky's Future, One Student at a Time