

Kentucky Summative Assessments



Grade 7 Mathematics Released Items 2026



1

MA0720053_1,5

Which expressions are equivalent to
 $3(2x - 7) + 5(-3x + 4) - 3x$?

Select **two** correct answers.

A $-12x - 1$

B $-12x - 3$

C $-12x - 41$

D $6x - 21 - 15x - 20 - 3x$

E $6x + (-15x) - 3x + (-21) + 20$



Released Item Performance

Kentucky Summative Assessments

Spring 2026
Grade 7
Mathematics

Item: MA0720053

Book Question Number: 1

Standard: KY.7.EE.1

Item Type: MS

Key: A,E

Student Group	Number of Students	Percent Correct	Average Item Score	Item Breakout Statistics - Score Percentages		
				Score 0 (%)	Score 1 (%)	Score 2 (%)
All Students	46,805	44.2%	0.88	28%	56%	16%
Gender						
Female	22,687	43.6%	0.87	28%	56%	15%
Male	24,118	44.8%	0.90	28%	55%	17%
Ethnicity						
African American	5,006	37.2%	0.74	34%	58%	8%
American Indian or Alaska Native	59	45.8%	0.92	27%	54%	19%
Asian	1,083	59.3%	1.19	19%	43%	38%
Hispanic or Latino	4,843	39.9%	0.80	31%	59%	11%
Native Hawaiian or Pacific Islander	78	41.7%	0.83	28%	60%	12%
White (non-Hispanic)	33,173	45.4%	0.91	27%	55%	18%
Two or more races	2,563	43.5%	0.87	28%	57%	15%
Migrant						
Migrant	227	38.8%	0.78	30%	62%	8%
English Learner						
English Learner	2,825	37.6%	0.75	32%	61%	7%
Economically Disadvantaged						
Economically Disadvantaged	27,694	41.1%	0.82	30%	58%	12%
Students with Disabilities						
Students with Disabilities	6,439	40.5%	0.81	29%	62%	10%

**2**

MA0720115_2

Which expression is equivalent to $a - b$ for all values of a and b ?

A $-b + (-a)$

B $-b + a$

C $b + (-a)$

D $b + a$



Released Item Performance

Kentucky Summative Assessments

Spring 2026
Grade 7
Mathematics

Item: MA0720115

Book Question Number: 2

Standard: KY.7.NS.1.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	32,627	39%	0.39	21%	39%	28%	12%
Gender							
Female	15,718	38%	0.38	21%	38%	28%	13%
Male	16,909	40%	0.40	21%	40%	27%	11%
Ethnicity							
African American	3,535	33%	0.33	23%	33%	27%	17%
American Indian or Alaska Native	43	35%	0.35	30%	35%	28%	7%
Asian	723	53%	0.53	17%	53%	22%	8%
Hispanic or Latino	3,554	35%	0.35	23%	35%	27%	15%
Native Hawaiian or Pacific Islander	53	45%	0.45	30%	45%	17%	8%
White (non-Hispanic)	22,953	40%	0.40	21%	40%	28%	11%
Two or more races	1,766	38%	0.38	22%	38%	30%	11%
Migrant							
Migrant	177	34%	0.34	22%	34%	28%	15%
English Learner							
English Learner	2,284	32%	0.32	22%	32%	26%	20%
Economically Disadvantaged							
Economically Disadvantaged	19,515	35%	0.35	22%	35%	29%	14%
Students with Disabilities							
Students with Disabilities	5,299	32%	0.32	21%	32%	27%	20%

**3**

MA0720029_2

On Monday, the temperature of a city was recorded at 11:00 a.m. The temperature started to decrease by 3 degrees Fahrenheit ($^{\circ}\text{F}$) each hour after 11:00 a.m. At 6:00 p.m., the temperature was recorded as -4°F . What was the temperature on Monday at 11:00 a.m.?

- A** 25°F
- B** 17°F
- C** -17°F
- D** -25°F



Released Item Performance

Kentucky Summative Assessments

Spring 2026
Grade 7
Mathematics

Item: MA0720029

Book Question Number: 3

Standard: KY.7.NS.3

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	32,627	57%	0.57	15%	57%	18%	10%
Gender							
Female	15,718	53%	0.53	16%	53%	20%	11%
Male	16,909	59%	0.59	15%	59%	17%	9%
Ethnicity							
African American	3,532	43%	0.43	16%	43%	28%	13%
American Indian or Alaska Native	43	51%	0.51	26%	51%	14%	9%
Asian	723	68%	0.68	13%	68%	11%	8%
Hispanic or Latino	3,555	48%	0.48	16%	48%	23%	13%
Native Hawaiian or Pacific Islander	53	42%	0.42	21%	42%	23%	15%
White (non-Hispanic)	22,956	60%	0.60	15%	60%	16%	9%
Two or more races	1,765	56%	0.56	15%	56%	20%	10%
Migrant							
Migrant	177	38%	0.38	20%	38%	29%	13%
English Learner							
English Learner	2,286	37%	0.37	15%	37%	33%	15%
Economically Disadvantaged							
Economically Disadvantaged	19,514	50%	0.50	17%	50%	22%	11%
Students with Disabilities							
Students with Disabilities	5,300	41%	0.41	18%	41%	29%	12%



4

MA0720049_4

Heather owns a restaurant. She paid \$350 for the materials and food she used to serve meals at an event.

Heather charges the customer \$12.50 for each meal that is served at the event. Which inequality can be used to represent the number of meals, m , Heather needs to serve at the event in order to make more money than she paid for the materials and food?

- A** $12.5m - 350 \leq 0$
- B** $12.5m - 350 \geq 0$
- C** $12.5m - 350 < 0$
- D** $12.5m - 350 > 0$



Released Item Performance

Kentucky Summative Assessments

Spring 2026
Grade 7
Mathematics

Item: MA0720049*

Book Question Number: 4

Standard: KY.7.EE.4.b

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	25,491	30%	0.30	16%	32%	22%	30%
Gender							
Female	12,202	29%	0.29	16%	33%	22%	29%
Male	13,289	30%	0.30	16%	32%	22%	30%
Ethnicity							
African American	2,802	22%	0.22	17%	37%	24%	22%
American Indian or Alaska Native	36	28%	0.28	17%	36%	19%	28%
Asian	548	42%	0.42	11%	29%	19%	42%
Hispanic or Latino	2,887	23%	0.23	18%	35%	24%	23%
Native Hawaiian or Pacific Islander	46	20%	0.20	20%	41%	20%	20%
White (non-Hispanic)	17,805	32%	0.32	15%	31%	21%	32%
Two or more races	1,367	28%	0.28	17%	31%	24%	28%
Migrant							
Migrant	149	15%	0.15	13%	42%	30%	15%
English Learner							
English Learner	1,971	18%	0.18	18%	38%	26%	18%
Economically Disadvantaged							
Economically Disadvantaged	15,438	26%	0.26	17%	34%	23%	26%
Students with Disabilities							
Students with Disabilities	4,842	23%	0.23	18%	35%	25%	23%

* Calculator section



MA0719004_stimulus

The circumference of circle J is three times the circumference of circle N .

Formulas_7_G_4

Figure	Area	Circumference
Circle	$A = \pi r^2$	$C = \pi d$ $C = 2\pi r$

5

MA0719004_1

What is the relationship between the area of circle J and the area of circle N ?

- A** The area of circle J is nine times the area of circle N .
- B** The area of circle J is six times the area of circle N .
- C** The area of circle J is three times the area of circle N .
- D** The area of circle J is the same as the area of circle N .



Released Item Performance

Kentucky Summative Assessments

Spring 2026
Grade 7
Mathematics

Item: MA0719004*

Book Question Number: 5

Standard: KY.7.G.4.b

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	39,810	19%	0.19	19%	26%	48%	7%
Gender							
Female	19,232	17%	0.17	17%	26%	50%	7%
Male	20,578	20%	0.20	20%	26%	47%	8%
Ethnicity							
African American	4,301	16%	0.16	16%	26%	48%	10%
American Indian or Alaska Native	52	21%	0.21	21%	21%	44%	13%
Asian	912	35%	0.35	35%	21%	41%	3%
Hispanic or Latino	4,212	16%	0.16	16%	25%	49%	9%
Native Hawaiian or Pacific Islander	72	18%	0.18	18%	26%	49%	7%
White (non-Hispanic)	28,093	19%	0.19	19%	26%	48%	7%
Two or more races	2,168	18%	0.18	18%	26%	48%	8%
Migrant							
Migrant	200	19%	0.19	19%	24%	47%	11%
English Learner							
English Learner	2,550	14%	0.14	14%	24%	49%	13%
Economically Disadvantaged							
Economically Disadvantaged	23,708	16%	0.16	16%	26%	49%	9%
Students with Disabilities							
Students with Disabilities	6,033	16%	0.16	16%	24%	47%	13%

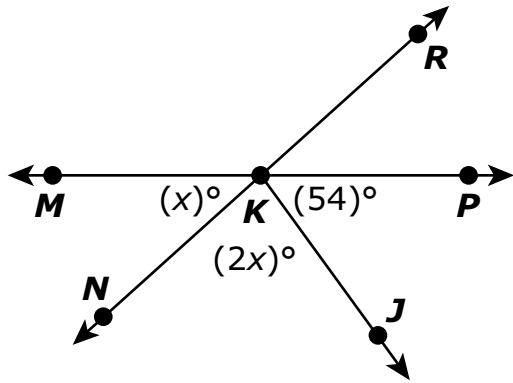
* Calculator section



6

MA0720065_4

The figure shows line NR , line MP , and ray KJ intersecting at point K . Angle MKP is a straight angle.



What is the measure, in degrees, of $\angle MKR$?

- A 84
- B 120
- C 126
- D 138



Released Item Performance

Kentucky Summative Assessments

Spring 2026

Grade 7

Mathematics

Item: MA0720065*

Book Question Number: 6

Standard: KY.7.G.5

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	39,796	20%	0.20	12%	33%	36%	20%
Gender							
Female	19,224	19%	0.19	11%	34%	35%	19%
Male	20,572	21%	0.21	12%	31%	36%	21%
Ethnicity							
African American	4,297	14%	0.14	15%	40%	31%	14%
American Indian or Alaska Native	52	19%	0.19	17%	37%	27%	19%
Asian	912	30%	0.30	6%	22%	41%	30%
Hispanic or Latino	4,214	17%	0.17	14%	35%	34%	17%
Native Hawaiian or Pacific Islander	72	17%	0.17	11%	29%	43%	17%
White (non-Hispanic)	28,081	21%	0.21	11%	31%	37%	21%
Two or more races	2,168	18%	0.18	11%	36%	35%	18%
Migrant							
Migrant	200	17%	0.17	12%	42%	29%	17%
English Learner							
English Learner	2,550	15%	0.15	17%	39%	29%	15%
Economically Disadvantaged							
Economically Disadvantaged	23,701	17%	0.17	13%	36%	34%	17%
Students with Disabilities							
Students with Disabilities	6,027	17%	0.17	17%	37%	28%	17%

* Calculator section

**7**

MA0720096_4

Which table represents a proportional relationship?

A

x	y
$-\frac{1}{2}$	$3\frac{4}{5}$
0	4
$\frac{1}{2}$	$4\frac{1}{5}$

B

x	y
$\frac{1}{2}$	$\frac{1}{2}$
1	1
2	$1\frac{1}{2}$

C

x	y
-1.6	2.56
-0.4	0.16
0	0

D

x	y
-0.4	2.8
-0.25	1.75
1.2	-8.4



Released Item Performance

Kentucky Summative Assessments

Spring 2026
Grade 7
Mathematics

Item: MA0720096*

Book Question Number: 7

Standard: KY.7.RP.2.a

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	32,642	33%	0.33	18%	30%	19%	33%
Gender							
Female	15,709	36%	0.36	15%	30%	19%	36%
Male	16,933	31%	0.31	20%	29%	19%	31%
Ethnicity							
African American	3,551	30%	0.30	18%	35%	18%	30%
American Indian or Alaska Native	44	32%	0.32	18%	23%	27%	32%
Asian	783	47%	0.47	17%	20%	17%	47%
Hispanic or Latino	3,558	32%	0.32	16%	32%	20%	32%
Native Hawaiian or Pacific Islander	60	40%	0.40	13%	33%	13%	40%
White (non-Hispanic)	22,841	34%	0.34	18%	29%	19%	34%
Two or more races	1,805	33%	0.33	17%	31%	19%	33%
Migrant							
Migrant	170	35%	0.35	9%	35%	21%	35%
English Learner							
English Learner	2,330	29%	0.29	16%	36%	19%	29%
Economically Disadvantaged							
Economically Disadvantaged	19,486	31%	0.31	17%	33%	19%	31%
Students with Disabilities							
Students with Disabilities	5,336	28%	0.28	18%	36%	19%	28%

* Calculator section



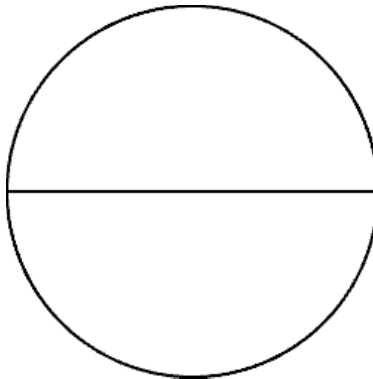
A spinner has 5 sections. Each section is labeled with a number 1 through 5. The table shows the number of times the spinner lands on each number.

Spinner Results

Section	Frequency
1	148
2	151
3	149
4	152
5	145

Create a spinner that could be used to generate the data in the table. Then shade the number of parts that represent the probability of the spinner landing on an odd number.

Divide the figure into the correct number of equal parts by using the More and Fewer buttons. Then shade by selecting the part or parts.



Fewer

More

Reset



Released Item Performance

Kentucky Summative Assessments

Spring 2026

Grade 7

Mathematics

Item: MA0721151*

Book Question Number: 8

Standard: KY.7.SP.7.a

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	21,395	50.4%	0.50	50%	50%
Gender					
Female	10,528	51.2%	0.51	49%	51%
Male	10,867	49.7%	0.50	50%	50%
Ethnicity					
African American	2,200	30.0%	0.30	70%	30%
American Indian or Alaska Native	22	45.5%	0.45	55%	45%
Asian	478	66.5%	0.67	33%	67%
Hispanic or Latino	1,982	39.0%	0.39	61%	39%
Native Hawaiian or Pacific Islander	26	57.7%	0.58	42%	58%
White (non-Hispanic)	15,529	54.7%	0.55	45%	55%
Two or more races	1,158	45.2%	0.45	55%	45%
Migrant					
Migrant	88	20.5%	0.20	80%	20%
English Learner					
English Learner	840	17.7%	0.18	82%	18%
Economically Disadvantaged					
Economically Disadvantaged	12,348	42.4%	0.42	58%	42%
Students with Disabilities					
Students with Disabilities	1,604	33.1%	0.33	67%	33%

Key: The model should have 3 of 5 segments shaded

* Calculator section



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