Kentucky Summative Assessments

Grade 5 Mathematics
Released Items
2026

1

MA0520077_3,5

Which statements are true?

Select **two** correct answers.

A Rectangles have opposite sides parallel because all rectangles are squares, and all squares have opposite sides parallel.

B Squares have four congruent sides, because all squares are rectangles, and all rectangles have four congruent sides.

C Squares have four 90° angles because all squares are rectangles, and all rectangles have four 90° angles.

D Rectangles have acute angles because all rectangles are squares, and all squares have acute angles.

E Squares have four sides because all squares are quadrilaterals, and all quadrilaterals have four sides.

Released Item Performance

Kentucky Summative Assessments

Spring 2026
Grade 5
Mathematics

Item: MA0520077
Book Question Number: 1

Standard: KY.5.G.3

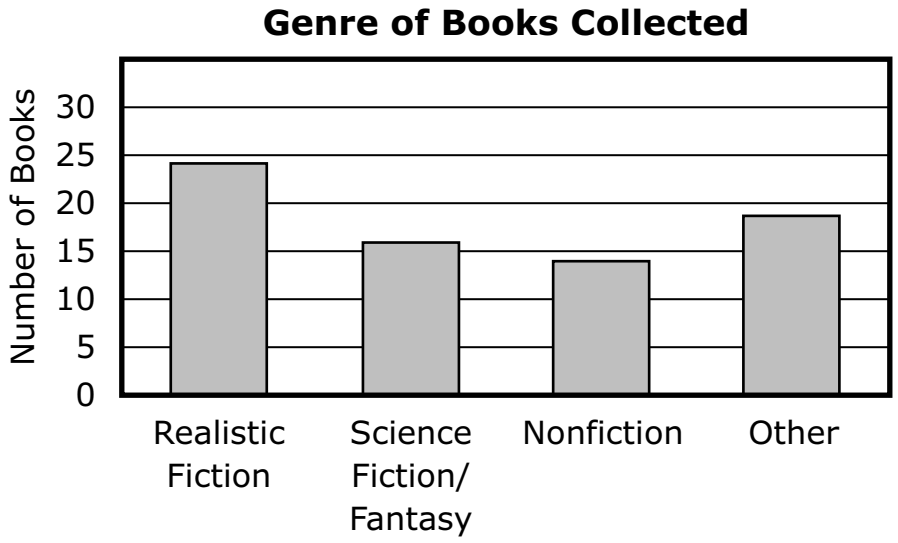
Item Type: MS
Key: C,E

Student Group	Number of Students	Percent Correct	Average Item Score	Item Breakout Statistics - Score Percentages		
				Score 0 (%)	Score 1 (%)	Score 2 (%)
All Students	**21,580**	65.9%	1.32	11%	46%	43%
Gender						
Female	**10,616**	65.5%	1.31	11%	48%	42%
Male	**10,962**	66.3%	1.33	12%	44%	44%
Ethnicity						
African American	**2,199**	58.0%	1.16	16%	52%	32%
American Indian or Alaska Native	**24**	66.7%	1.33	8%	50%	42%
Asian	**483**	73.4%	1.47	7%	39%	54%
Hispanic or Latino	**1,985**	63.6%	1.27	12%	49%	39%
Native Hawaiian or Pacific Islander	**27**	61.1%	1.22	15%	48%	37%
White (non-Hispanic)	**15,528**	67.1%	1.34	10%	45%	45%
Two or more races	**1,332**	65.7%	1.31	11%	47%	42%
Migrant	**86**	59.3%	1.19	16%	49%	35%
English Learner	**1,001**	54.0%	1.08	18%	56%	26%
Economically Disadvantaged	**13,014**	61.8%	1.24	13%	50%	37%
Students with Disabilities	**2,648**	57.3%	1.15	17%	52%	31%

2

MA0520065_2

A librarian created the bar graph shown to show the results of a book drive.



Which question does the data in the bar graph answer?

A How many students participated in the book drive?

B How many books of each type of genre was collected?

C How many days did the librarian collect more than 20 books?

D How many students chose nonfiction as their favorite genre?

Released Item Performance

Kentucky Summative Assessments

Spring 2026
Grade 5
Mathematics

Item: MA0520065
Book Question Number: 2

Standard: KY.5.MD.2

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	**25,045**	74%	0.74	10%	74%	7%	8%
Gender							
Female	**12,227**	74%	0.74	10%	74%	7%	8%
Male	**12,818**	73%	0.73	11%	73%	8%	8%
Ethnicity							
African American	**2,784**	65%	0.65	14%	65%	12%	9%
American Indian or Alaska Native	**22**	41%	0.41	27%	41%	18%	14%
Asian	**600**	78%	0.78	11%	78%	4%	8%
Hispanic or Latino	**2,870**	65%	0.65	13%	65%	12%	10%
Native Hawaiian or Pacific Islander	**47**	66%	0.66	9%	66%	13%	13%
White (non-Hispanic)	**17,311**	77%	0.77	9%	77%	6%	8%
Two or more races	**1,409**	72%	0.72	11%	72%	8%	9%
Migrant	**141**	59%	0.59	15%	59%	16%	11%
English Learner	**2,164**	55%	0.55	17%	55%	17%	11%
Economically Disadvantaged	**15,590**	70%	0.70	12%	70%	9%	9%
Students with Disabilities	**5,100**	58%	0.58	16%	58%	15%	11%

3

MA0520048_3

Which statement is true about the expression $23 \times \frac{3}{5}$?

A The product is less than 1.

B The product is less than $\frac{3}{5}$.

C The product is less than 23.

D The product is greater than 23.

Released Item Performance

Kentucky Summative Assessments

Spring 2026
Grade 5
Mathematics

Item: MA0520048
Book Question Number: 3

Standard: KY.5.NF.5.a

Item Type: MC
Key: C

Student Group	Number of Students	Percent Correct	Average Item Score	Item Breakout Statistics - Answer Choice Options			
				A (%)	B (%)	C (%)	D (%)
All Students	**46,680**	47%	0.47	7%	8%	47%	38%
Gender							
Female	**22,869**	43%	0.43	7%	8%	43%	42%
Male	**23,809**	50%	0.50	7%	8%	50%	35%
Ethnicity							
African American	**4,993**	35%	0.35	9%	12%	35%	44%
American Indian or Alaska Native	**46**	39%	0.39	11%	7%	39%	43%
Asian	**1,083**	60%	0.60	5%	5%	60%	30%
Hispanic or Latino	**4,859**	41%	0.41	7%	12%	41%	40%
Native Hawaiian or Pacific Islander	**74**	50%	0.50	5%	12%	50%	32%
White (non-Hispanic)	**32,878**	49%	0.49	7%	7%	49%	37%
Two or more races	**2,743**	44%	0.44	8%	9%	44%	40%
Migrant	**227**	38%	0.38	8%	17%	38%	37%
English Learner	**3,165**	33%	0.33	8%	16%	33%	43%
Economically Disadvantaged	**28,634**	41%	0.41	7%	10%	41%	42%
Students with Disabilities	**7,758**	37%	0.37	8%	15%	37%	39%

4

MA0521076_:

A pet store manager used $2\frac{7}{10}$ pounds of red sand for the lizard tank and $1\frac{3}{4}$ pounds of white sand for the turtle tank.

Part A

How many pounds of sand did the pet store manager use for both tanks? Show your work or explain how you got your answer.

Enter your answer and your work or explanation in the space provided.

Part B

The pet store manager also used pebbles for a fish tank. The manager used $\frac{3}{5}$ pound less pebbles than the amount of red sand for the lizard tank. How many pounds of pebbles did the manager use? Show your work or explain how you got your answer.

Enter your answer and your work or explanation in the space provided.

Released Item Performance

Kentucky Summative Assessments

Spring 2026
Grade 5
Mathematics

Item: MA0521076
Book Question Number: 4

Standard: KY.5.NF.2.a

Item Type: ER
Key: Rubric

Student Group	Number of Students	Percent Correct	Average Item Score	Item Breakout Statistics - Score Percentages				
				Score 0 (%)	Score 1(%)	Score 2 (%)	Score 3 (%)	Score 4 (%)
All Students	**46,212**	35.1%	1.40	33%	30%	16%	9%	13%
Gender								
Female	**22,708**	35.3%	1.41	31%	31%	16%	9%	13%
Male	**23,502**	34.8%	1.39	34%	28%	16%	9%	13%
Ethnicity								
African American	**4,900**	21.5%	0.86	50%	30%	10%	5%	6%
American Indian or Alaska Native	**46**	32.1%	1.28	35%	37%	9%	4%	15%
Asian	**1,080**	51.7%	2.07	20%	21%	19%	13%	27%
Hispanic or Latino	**4,794**	28.6%	1.14	39%	31%	14%	7%	9%
Native Hawaiian or Pacific Islander	**74**	35.1%	1.41	31%	31%	19%	4%	15%
White (non-Hispanic)	**32,603**	37.8%	1.51	29%	29%	17%	10%	14%
Two or more races	**2,712**	32.4%	1.29	34%	31%	15%	8%	11%
Migrant	**222**	21.4%	0.86	48%	32%	9%	6%	4%
English Learner	**3,115**	17.0%	0.68	54%	32%	8%	3%	3%
Economically Disadvantaged	**28,276**	29.1%	1.16	39%	31%	14%	7%	9%
Students with Disabilities	**7,620**	21.4%	0.86	50%	30%	8%	6%	5%

Rubric

Rubric	
Score Point 4	Student scores 4 points.
Score Point 3	Student scores 3 or 3.5 points.
Score Point 2	Student scores 2 or 2.5 points.
Score Point 1	Student scores 0.5, 1, or 1.5 points. OR Student demonstrates a minimal understanding of solving word problems involving addition and subtraction of fractions.
Score Point 0	Student response is insufficient to demonstrate a grade-appropriate, relevant understanding of the task.

Score Points	**Part A**
	• Score 2 points:
	  ○ Correct answer and complete work or explanation.
	• Score 1.5 points:
	  ○ Correct answer and partial work or explanation.
	• Score 1 point:
	  ○ Correct answer and no work or explanation **OR**
	  ○ Incorrect or missing answer and complete work or explanation.
	• Score 0.5 point:
	  ○ An explanation that demonstrates a minimal understanding of the task.
	
	Part B
	• Score 2 points:
	  ○ Correct answer and complete work or explanation.
	• Score 1.5 points:
	  ○ Correct answer and partial work or explanation.
	• Score 1 point:
	  ○ Correct answer and no work or explanation **OR**
	  ○ Incorrect or missing answer and complete work or explanation.
	• Score 0.5 point:
	  ○ An explanation that demonstrates a minimal understanding of the task.

Correct Answers	**Part A** The pet store manager used $4\frac{9}{20}$ pounds of sand for both tanks. $2\frac{7}{10} = 2\frac{14}{20}$ $1\frac{3}{4} = 1\frac{15}{20}$ $2\frac{14}{20} + 1\frac{15}{20} = 4\frac{9}{20}$ **Part B** The pet store manager used $2\frac{1}{10}$ pounds of pebbles for the fish tank. $\frac{3}{5} = \frac{6}{10}$ $2\frac{7}{10} - \frac{6}{10} = 2\frac{1}{10}$

Anchor Set

A1

Part A

$2\frac{7}{10} - 1\frac{3}{4} = 2\frac{6}{10}$

Part B

$\frac{3}{5}$ x 2 $\frac{6}{10}$

Anchor Annotation, Paper 1
Score Point 0

Part A: Score Point 0

This response receives no credit. It includes neither of the required elements:

The incorrect number of pounds of sand the pet store manager used for both tanks is provided ($2\frac{6}{10}$).

Incorrect work or explanation to find the answer is shown. The response shows no understanding of adding fractions with different denominators.

Part B: Score Point 0

This response receives no credit. It includes neither of the required elements:

The incorrect number of pounds of pebbles the manager used is provided ($\frac{6}{10}$).

Incorrect work or explanation to find the answer is shown. The response shows no understanding of subtracting fractions with different denominators.

A2

Part A

The way I got my anwser was I did made and then I multipled my anwser that I got fome doing made and then I got $\frac{189}{40}$ then I divited it by 40 and i got 4 remander29

Part B

The manager used $\frac{165}{40}$.

Anchor Annotation, Paper 2
Score Point 0

Part A: Score Point 0

This response receives no credit. It includes neither of the required elements:

The incorrect number of pounds of sand the pet store manager used for both tanks is provided (*4 remander 29*).

Incorrect work or explanation to find the answer is shown. The response shows no understanding of adding fractions with different denominators.

Part B: Score Point 0

This response receives no credit. It includes neither of the required elements:

The incorrect number of pounds of pebbles the manager used is provided ($\frac{165}{40}$).

No work or explanation to find the answer is shown. The response shows no understanding of subtracting fractions with different denominators.

A3

Part A

How many pounds of sand did the pet store manager use for both tanks he got $\frac{13}{6}$ I think he got that many pounds of red and white sand because I first try to just add them all but i cant so i add 1 + 2 =3 so add that to 10 and many 13 so i simplyfie it to the answer to be $\frac{13}{6}$ and the 6 comes from simplyfie 13 to 6

Part B

The pet store manager also used pebbles for the fish tank. The manager used $\frac{3}{5}$ pound less pebbles then the amount of red sand for the lizard tank. How many pounds of pebbles did the manager use I think the manager used around $\frac{10}{1}$ because the sand was $\frac{13}{6}$ last time with the sand so that means the answer is $\frac{10}{1}$ I got that answer because $\frac{13}{6} - \frac{3}{5} = \frac{10}{1}$

Anchor Annotation, Paper 3
Score Point 0

Part A: Score Point 0

This response receives no credit. It includes neither of the required elements:

The incorrect number of pounds of sand the pet store manager used for both tanks is provided (13/6).

Incorrect work or explanation to find the answer is shown. The response shows no understanding of adding fractions with different denominators.

Part B: Score Point 0

This response receives no credit. It includes neither of the required elements:

The incorrect number of pounds of pebbles the manager used is provided (10/1).

Incorrect work or explanation to find the answer is shown. The response shows no understanding of subtracting fractions with different denominators.

A4

Part A

$2\frac{7}{10} + 1\frac{3}{4} = \square = 3\frac{10}{14}$

Part B

$3\frac{10}{14} - \frac{3}{5} = 3\frac{7}{9}$

Anchor Annotation, Paper 4
Score Point 1

Part A: Score Point 0.5

This response receives partial credit. It includes one of the two required elements:

- Minimal work or explanation to find the answer is shown. The response does not show work correctly converting each fraction using a common multiple so that the sum may be correctly calculated.

The number of pounds of sand the pet store manager used for both tanks is incorrect ($3\frac{10}{14}$).

Part B: Score Point 0.5

This response receives partial credit. It includes one of the two required elements:

- Minimal work or explanation to find the answer is shown. The response does not show work converting each fraction using a common multiple so that the difference may be correctly calculated.

The number of pounds of pebbles the manager used is incorrect ($3\frac{7}{9}$).

A5

Part A

The pet store manager used $3\frac{9}{20}$ pounds of sand for both tanks. I know this because, if you add, $2\frac{7}{10}$ and $1\frac{3}{4}$ you will get a sum of, $\frac{178}{40}$. That is an " improper fraction" ,so, we have to divide, 178 and 40, then you will get a quotient of, $3\frac{18}{40}$. 18 and 40 are even so, we divide them by 2, and we get $\frac{9}{20}$. Lastly, we can't forget to add our whole number, 3, to our answer. That is how I got a sum of, $3\frac{9}{20}$.

Part B

The manager used 10 pounds of pebbles. I know this because, if we subtract, $2\frac{7}{10}$ and $\frac{3}{5}$ we will get a difference of, $\frac{1}{10}$. If you get a fraction that has 1 as the numerator, then the answer is your denominator. The denominator on the difference I got is 10, so, it's 10. That's how I got the difference of 10.

Anchor Annotation, Paper 5
Score Point 1

Part A: Score Point 1

This response receives partial credit. It includes one of the two required elements:

- Correct work or explanation to find the answer is shown. The response correctly converts each fraction using a common multiple so that the sum may be correctly calculated.

The number of pounds of sand the pet store manager used for both tanks is incorrect ($3\frac{9}{20}$).

Part B: Score Point 0.5

This response receives partial credit. It includes one of the two required elements:

- Minimal work or explanation to find the answer is shown. The response does not show work converting each fraction using a common multiple so that the difference may be correctly calculated.

The number of pounds of pebbles the manager used is incorrect (*10 pounds*).

According to the rubric, a response with 1.5 points receives Score Point 1.

A6

Part A

The answer is 3 and 1 r19 because $2\ \frac{7}{10} + 1\ \frac{3}{4}$ is not the same so you have to match them so $7 \times 2 = 14$ and 10×2 is 20 so $\frac{14}{20}$ and then 3 x 5 is 15 and 4 x 5 is 20 so the bottom numbers match so $\frac{14}{20} + \frac{15}{20}$ is $\frac{29}{20}$ naw its an improper fraction now you divide 20 and 29 and becomes 3 and 1 r19

Part B

$\frac{2}{5}$ because 3 + 2 = 5 so thats how

Anchor Annotation, Paper 6
Score Point 1

Part A: Score Point 1

This response receives partial credit. It includes one of the two required elements:

- Correct work or explanation to find the answer is shown. The response correctly converts each fraction using a common multiple so that the sum may be correctly calculated.

The number of pounds of sand the pet store manager used for both tanks is incorrect (*3 and 1 r19*).

Part B: Score Point 0

This response receives no credit. It includes neither of the required elements:

The number of pounds of pebbles the manager used is incorrect (*5*).

The work shown to find the answer is incorrect. The response incorrectly uses addition to solve the problem. The response does not convert each fraction to a common multiple so that the difference may be correctly calculated.

A7

Part A

The amount of sand the pet store manager used for both tanks is $4\frac{9}{20}$. I got this answer by doing $2\frac{7}{10} + 1\frac{3}{4}$. First, you find the least common denominater, which is 20. So now I know my answer will have a denominater of 20. Your problem would now be $2\frac{14}{20} + 1\frac{15}{20}$ because whatever you do to the bottom, you have to do to the top. Finally, add $2\frac{14}{20} + 1\frac{15}{20} = 4\frac{9}{20}$.

Part B

The amount of pounds of pebbles the store manager used is $4\frac{1}{2}$. The problem you would do to solve that is $\frac{27}{10} \div \frac{3}{5}$. The easiest method is butterfly so thats how I'm gonna do it.
For butterfly you cross multiply. First, you do $27 \times 5 = 135$. Then you do $3 \times 10 = 30$. Your answer should be $\frac{135}{30}$. You can simplify that to $4\frac{1}{2}$ because 30 go's into 135 four times and theres $\frac{1}{2}$ left over.

Anchor Annotation, Paper 7
Score Point 2

Part A: Score Point 2

This response receives full credit. It includes both of the required elements:

- The correct number of pounds of sand the pet store manager used for both tanks is provided ($4\frac{9}{20}$).

- Correct work or explanation to find the answer is shown. The response correctly converts each fraction using a common multiple so that the sum may be correctly calculated.

Part B: Score Point 0

This response receives no credit. It includes neither of the required elements:

The number of pounds of pebbles the manager used is incorrect ($4\frac{1}{2}$).

Incorrect work or explanation to find the answer is shown. The response incorrectly uses division to solve the problem. This is an incorrect process. The response does not convert each fraction to a common multiple so that the difference may be correctly calculated.

A8

Part A

The pet store manager used $4\frac{18}{40}$ pounds of sand for both tanks I found my answer by changing $2\frac{7}{10}$ to $2\frac{28}{40}$ then I changed $1\frac{3}{4}$ to $1\frac{30}{40}$ then added them and got $3\frac{58}{40}$ but then the top number was to big so I took 40 and subtracted 58 for it and got the correct answer and it is $4\frac{18}{40}$ so that is how much pounds of sand the manager used.

Part B

The pet store manager would have used $\frac{3}{10}$ pounds of pebbles because if the manager used $\frac{3}{5}$ less then $2\frac{7}{10}$ the answer would have to be $\frac{3}{10}$ pounds of pebbles.

Anchor Annotation, Paper 8
Score Point 2

Part A: Score Point 2

This response receives full credit. It includes both of the required elements:

- The correct number of pounds of sand the pet store manager used for both tanks is provided ($4\frac{18}{40}$).

- Correct work or explanation to find the answer is shown. The response correctly converts each fraction using a common multiple so that the sum may be correctly calculated.

Part B: Score Point 0.5

This response receives partial credit. It includes one of the two required elements:

- Minimal work or explanation to find the answer is shown. The response correctly subtracts $\frac{3}{5}$ from $2\frac{7}{10}$ but does not convert each fraction using a common multiple so that the difference may be correctly calculated. This is considered incomplete work and only receives partial credit.

The number of pounds of pebbles the manager used is incorrect ($\frac{3}{10}$).

According to the rubric, a response with 2.5 points receives Score Point 2.

A9

Part A

A)The pet store manager uses $4\frac{9}{20}$ of sand in all for the lizard tank and turtle tank.

.How I know this is because I added both the red sand and the white sand together to get $4\frac{9}{20}$.

Part B

B)The manager used $3\frac{17}{20}$ pounds of pebbles.

.I know this because I took my answerfrom part (A) witch is $4\frac{9}{20}$ and subtracted it by $\frac{3}{5}$ and got $3\frac{17}{20}$.

Anchor Annotation, Paper 9
Score Point 2

Part A: Score Point 1.5

This response receives partial credit. It includes one of the two required elements:

- The correct number of pounds of sand the pet store manager used for both tanks is provided ($4\frac{9}{20}$).

- A minimal explanation to find the answer is shown. The response does not show the work converting each fraction using a common multiple. This is considered incomplete work and only receives partial credit.

Part B: Score Point 1

This response receives partial credit. It includes one of the two required elements:

- A complete explanation to find the answer is shown.

The number of pounds of pebbles the manager used is incorrect ($3\frac{17}{20}$).

According to the rubric, a response with 2.5 points receives Score Point 2.

A10

Part A

$2\frac{7}{10}+1\frac{3}{4}$

$(2+1)+\left(\frac{7}{10}+\frac{3}{4}\right)$

$3+\frac{7\times2}{10\times2}+\frac{3\times5}{4\times5}$

$3+\frac{14}{20}+\frac{15}{20}$

$3+\frac{29}{20}$

$3+1\frac{9}{20}$

$4\frac{9}{20}$

Part B

$4\frac{9}{20}-\frac{3}{5}$

$(4-0)+\left(\frac{9}{20}-\frac{3}{5}\right)$

$4+\frac{9}{20}-\frac{3\times4}{5\times4}$

$4+\frac{9}{20}-\frac{12}{20}$

$4+\frac{9-12}{20}$

$4+\frac{-3}{20}$

$3\frac{17}{20}$

Anchor Annotation, Paper 10
Score Point 3

Part A: Score Point 2

This response receives full credit. It includes both of the required elements:

- The correct number of pounds of sand the pet store manager used for both tanks is provided ($4\frac{9}{20}$).

- Correct work or explanation to find the answer is shown. The response shows complete work converting each fraction using a common multiple so that the sum may be correctly calculated.

Part B: Score Point 1

This response receives partial credit. It includes one of the two required elements:

- Correct work or explanation to find the answer is shown. The response correctly converts each fraction using a common multiple so that the difference may be correctly calculated.

The number of pounds of pebbles the manager used is incorrect ($3\frac{17}{20}$).

A11

Part A

$2\frac{7}{10} + 1\frac{3}{4} = 4\frac{9}{20}$

Part B

$2\frac{7}{10} - \frac{3}{5} = 2\frac{1}{10}$

Anchor Annotation, Paper 11
Score Point 3

Part A: Score Point 1.5

This response receives partial credit. It includes one of the two required elements:

- The correct number of pounds of sand the pet store manager used for both tanks is provided ($4\frac{9}{20}$).
- Minimal work or explanation to find the answer is shown. The response does not show the work converting each fraction using a common multiple. This is considered incomplete work and only receives partial credit.

Part B: Score Point 1.5

This response receives partial credit. It includes one of the two required elements:

- The correct number of pounds of pebbles the manager used is provided ($2\frac{1}{10}$).
- Minimal work or explanation to find the answer is shown. The response does not show the work converting each fraction using a common multiple. This is considered incomplete work and only receives partial credit.

A12

Part A

the answer i got was $\frac{89}{20}$ which is equal to $4\frac{9}{20}$ the way i got this is by adding $\frac{27}{10}$ and $\frac{7}{4}$ but i had to find the common denomanator which was 20 the i added $\frac{54}{20}$ and $\frac{35}{20}$ and the i got $\frac{89}{20}$ which is equivalent to $4\frac{9}{20}$.

Part B

the answer i got was $1\frac{9}{10}$ i got this because i did $\frac{27}{10}$ minus $\frac{3}{5}$ then i had to find the common denomonater which was 10 then i did $\frac{27}{10}$ minus $\frac{6}{10}$ and got $\frac{19}{10}$ which i equivalent to $1\frac{9}{10}$.

Anchor Annotation, Paper 12
Score Point 3

Part A: Score Point 2

This response receives full credit. It includes both of the required elements:

- The correct number of pounds of sand the pet store manager used for both tanks is provided ($4\frac{9}{20}$).
- Correct work or explanation to find the answer is shown. The response correctly converts each fraction using a common multiple so that the sum may be correctly calculated.

Part B: Score Point 1

This response receives partial credit. It includes one of the two required elements:

- Correct work or explanation to find the answer is shown. The response correctly converts each fraction using a common multiple so that the difference may be correctly calculated but does not subtract the numerators correctly.

The number of pounds of pebbles the manager used is incorrect ($1\frac{9}{10}$).

A13

Part A

The pet store use $4\frac{18}{40}$=$4\frac{9}{20}$ for both tanks because if you do

$2\frac{7}{10}+1\frac{3}{4}$ you have to turn it into,

$2\frac{28}{40}+1\frac{30}{40}=3\frac{58}{40}=4\frac{18}{40}=4\frac{9}{20}$ pounds.

Part B

The pets store manager used $2\frac{1}{10}$ pebbles and red sand for the lizard tank because $2\frac{7}{10}-\frac{3}{5}$ has to be changed into $2\frac{7}{10}-\frac{6}{10}=2\frac{1}{10}$ pounds of pebbles.

Anchor Annotation, Paper 13
Score Point 4

Part A: Score Point 2

This response receives full credit. It includes both of the required elements:

- The correct number of pounds of sand the pet store manager used for both tanks is provided ($4\frac{9}{20}$).
- Correct work or explanation to find the answer is shown. The response correctly converts each fraction using a common multiple so that the sum may be correctly calculated.

Part B: Score Point 2

This response receives full credit. It includes both of the required elements:

- The correct number of pounds of pebbles the manager used is provided ($2\frac{1}{10}$).
- Correct work or explanation to find the answer is shown. The response correctly converts each fraction using a common multiple so that the difference may be correctly calculated.

A14

Part A

$2\frac{7}{10} + 1\frac{3}{4} = 4\frac{18}{40}$

First, I stacked up both of the fractions, after that I found a commen denomanator and then once i found that commen denomanator which was 40 because 10 and 4 can both be turned into 40, I then said what you do to the bottom you do to the top so since 4 goes into 40, 10 times i mutipiled 10 x 3 which was then $\frac{30}{40}$ then do the same thing to the other fraction which led to be $\frac{28}{40}$ then i added both together then if became a improper fraction which was $\frac{58}{40}$so i divied the sum by 40 and it went into it one time and then subtracted 40 from 58 which led up to 18 so since it went into it one time i added that to the 3 whole that was already there so it made it to $4\frac{18}{40}$

Part B

$2\frac{7}{10} - \frac{3}{5} = 2\frac{1}{10}$

First i found a common denomator then i thought what you do to the bottom you do to the top so i mutipled 2x3 which made it a $\frac{6}{10}$ then left the other number the same because it already has the common denomator so then it was $\frac{7}{10} - \frac{6}{10} = \frac{1}{10} + 2$ whole so it was $2\frac{1}{10}$

Anchor Annotation, Paper 14
Score Point

Part A: Score Point 2

This response receives full credit. It includes both of the required elements:

- The correct number of pounds of sand the pet store manager used for both tanks is provided ($4\frac{18}{40}$).

- Correct work or explanation to find the answer is shown. The response correctly converts each fraction using a common multiple so that the sum may be correctly calculated.

Part B: Score Point 2

This response receives full credit. It includes both of the required elements:

- The correct number of pounds of pebbles the manager used is provided ($2\frac{1}{10}$).

- Correct work or explanation to find the answer is shown. The response correctly converts each fraction using a common multiple so that the difference may be correctly calculated.

A15

Part A

The pet store manager used $4\frac{9}{20}$ in all. When simplifiyed. I got this because first you have to find the common denomitator of $2\frac{7}{10}$ and $1\frac{3}{4}$. You can do this by taking the denomitators which is 10 and 4 and listing their multibles. The first one that they have in common is the one you use. Which in this case would be 40. Then since you took 10 and multiplied by 4 you would do the same to the numeratior. Same thing with 4 you would multiply by 10 because that is how you get 40. So now it should be $2\frac{28}{40}$ and $1\frac{30}{40}$. Then add 28 and 30. Which would be 48. Then 2 and 1 which is 3. Then you should get $3\frac{58}{40}$. You can't do that so it would really be $4\frac{18}{40}$. But when simlfied it should be $4\frac{9}{20}$.

Part B

The pet store manager uses $2\frac{1}{10}$ for the fish tank. I know this, because the manager has $2\frac{7}{10}$ of pebbles in the lizered tank. And he put $\frac{3}{5}$ less so subtract. You have to find the common denomitaor. Which is 10. So times 3 by 2 which is 6 then subtract. And you should get an answer of $2\frac{1}{10}$.

Anchor Annotation, Paper 15
Score Point 4

Part A: Score Point 2

This response receives full credit. It includes both of the required elements:

- The correct number of pounds of sand the pet store manager used for both tanks is provided ($4\frac{9}{20}$).

- Correct work or explanation to find the answer is shown. The response correctly converts each fraction using a common multiple so that the sum may be correctly calculated.

Part B: Score Point 2

This response receives full credit. It includes both of the required elements:

- The correct number of pounds of pebbles the manager used is provided ($2\frac{1}{10}$).

- Correct work or explanation to find the answer is shown. The response correctly converts each fraction using a common multiple so that the difference may be correctly calculated.

5

MA0521044_2,4

A comparison statement is shown.

$$4.325 > \square$$

Which numbers make the comparison statement true?

Select **two** correct answers.

A 4.326

B 4.315

C 4.424

D 4.324

E 4.332

Released Item Performance

Kentucky Summative Assessments

Spring 2026
Grade 5
Mathematics

Item: MA0521044
Book Question Number: 5

Standard: KY.5.NBT.3.b

Item Type: MS
Key: B,D

Student Group	Number of Students	Percent Correct	Average Item Score	Item Breakout Statistics - Score Percentages		
				Score 0 (%)	Score 1 (%)	Score 2 (%)
All Students	**25,013**	82.3%	1.65	12%	11%	77%
Gender						
Female	**12,213**	81.2%	1.62	12%	13%	75%
Male	**12,800**	83.2%	1.66	12%	10%	78%
Ethnicity						
African American	**2,781**	74.1%	1.48	16%	20%	64%
American Indian or Alaska Native	**22**	68.2%	1.36	27%	9%	64%
Asian	**600**	88.3%	1.77	9%	5%	86%
Hispanic or Latino	**2,863**	77.2%	1.54	15%	15%	70%
Native Hawaiian or Pacific Islander	**46**	66.3%	1.33	22%	24%	54%
White (non-Hispanic)	**17,292**	84.3%	1.69	11%	10%	80%
Two or more races	**1,407**	82.0%	1.64	12%	13%	75%
Migrant	**140**	68.6%	1.37	17%	29%	54%
English Learner	**2,154**	71.6%	1.43	18%	20%	61%
Economically Disadvantaged	**15,560**	79.7%	1.59	13%	14%	73%
Students with Disabilities	**5,083**	70.9%	1.42	18%	23%	59%

6

MA0521065_RE

Jordan finds the value of $3.4 - 1.5$. Then he checks his answer using addition. Complete the addition equation to show one way that Jordan can check his answer.

Move the correct number to each box. Not all numbers will be used.

1.5	1.9	2.1	2.9	3.4

☐ + ☐ = ☐

Released Item Performance

Kentucky Summative Assessments

Spring 2026
Grade 5
Mathematics

Item: MA0521065
Book Question Number: 6

Standard: KY.5.NBT.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	**35,932**	61.1%	0.61	39%	61%
Gender					
Female	**17,722**	57.1%	0.57	43%	57%
Male	**18,208**	64.9%	0.65	35%	65%
Ethnicity					
African American	**3,622**	48.6%	0.49	51%	49%
American Indian or Alaska Native	**36**	66.7%	0.67	33%	67%
Asian	**831**	76.8%	0.77	23%	77%
Hispanic or Latino	**3,303**	56.1%	0.56	44%	56%
Native Hawaiian or Pacific Islander	**54**	63.0%	0.63	37%	63%
White (non-Hispanic)	**25,933**	63.0%	0.63	37%	63%
Two or more races	**2,150**	60.1%	0.60	40%	60%
Migrant	**139**	41.7%	0.42	58%	42%
English Learner	**1,699**	41.4%	0.41	59%	41%
Economically Disadvantaged	**21,590**	54.8%	0.55	45%	55%
Students with Disabilities	**4,362**	47.4%	0.47	53%	47%

Key: First formula position is 1.5. The second formula position is 1.9. The third formula position is 3.4

7

MA0521057

Olivia ran the same number of miles each day for 21 days. She ran a total of 126 miles.

- How many miles did Olivia run each day?
- Explain the strategy you used to get your answer.

Enter your answer and your explanation in the space provided.

Released Item Performance

Kentucky Summative Assessments

Spring 2026
Grade 5
Mathematics

Item: MA0521057
Book Question Number: 7

Standard: KY.5.NBT.6.a

Item Type: SA
Key: Rubric

Student Group	Number of Students	Percent Correct	Average Item Score	Item Breakout Statistics - Score Percentages		
				Score 0 (%)	Score 1 (%)	Score 2 (%)
All Students	**46,213**	50.8%	1.02	40%	19%	41%
Gender						
Female	**22,690**	49.2%	0.98	42%	17%	41%
Male	**23,521**	52.3%	1.05	37%	21%	42%
Ethnicity						
African American	**4,905**	31.1%	0.62	62%	14%	24%
American Indian or Alaska Native	**46**	50.0%	1.00	39%	22%	39%
Asian	**1,080**	67.7%	1.35	25%	14%	61%
Hispanic or Latino	**4,807**	39.7%	0.79	52%	16%	32%
Native Hawaiian or Pacific Islander	**74**	43.9%	0.88	50%	12%	38%
White (non-Hispanic)	**32,589**	55.1%	1.10	35%	20%	45%
Two or more races	**2,708**	47.4%	0.95	44%	18%	39%
Migrant	**225**	33.8%	0.68	60%	13%	27%
English Learner	**3,122**	23.9%	0.48	70%	12%	18%
Economically Disadvantaged	**28,295**	43.4%	0.87	48%	18%	34%
Students with Disabilities	**7,607**	31.4%	0.63	62%	12%	25%

Rubric

Rubric	
Score Point 2	Student demonstrates a complete understanding of dividing 3 digit dividends by 2-digit divisors using strategies based on place value, the properties of operations, or the relationship between multiplication and division.
Score Point 1	Student demonstrates a partial understanding of dividing 3 digit dividends by 2-digit divisors using strategies based on place value, the properties of operations, or the relationship between multiplication and division.
Score Point 0	Student response is completely incorrect or irrelevant.

Score Points	• Score 2 points
	  ○ Correct answer and complete explanation
	• Score 1 point
	  ○ Correct answer and partial or missing explanation **OR**
	  ○ Incorrect or no answer and complete explanation

Correct Answers	She ran 6 miles each day. $21 \times 5 = 105$ $126 - 105 = 21$ $21 \times 1 = 21$ $21 - 21 = 0$ $5 + 1 = 6$ Note: Student does not have to use equations in their explanation. Other strategies are also acceptable.

Anchor Set

A1

Olivia ran 3 miles each day. How I got this is 7x 3 = 21 so then if you add it then u will get the answer.

Anchor Annotation, Paper 1
Score Point 0

This response receives no credit. It includes neither of the two required elements:

The number of miles Ollivia ran each day is incorrect (*3*).

The explanation of the strategy used to find the answer is incorrect (*7 × 3 = 21*).

A2

$126 \times 21 = 2{,}546$ Olivia ran 2,546 miles each day for 21 days.

Anchor Annotation, Paper 2
Score Point 0

This response receives no credit. It includes neither of the two required elements:

The number of miles Olivia ran each day is incorrect (*2,546*).

The explanation of the strategy used to find the answer is incorrect (*126 x 21 = 2,546*). The response demonstrates misunderstanding by multiplying the total distance ran by number of days ran instead of dividing.

A3

I used divison to get my answer and i got 8 miles each day.

Anchor Annotation, Paper 3
Score Point 0

This response receives no credit. It includes neither of the two required elements:

The number of miles Olivia ran each day is incorrect (*8*).

The explanation of the strategy used to find the answer is vague (*I used divison*). To receive credit for this element, the response should clarify that total distance (126 miles) was divided by the number of days (21).

A4

she ran 6 miles every day

Anchor Annotation, Paper 4
Score Point 1

This response receives partial credit. It includes one of the two required elements:

- The correct number of miles Olivia ran each day is provided (*6*).

The explanation of the strategy used to find the answer is not provided.

A5

Olivia ran 9 miles each day. I found my answer by dividing 126 and 21.

Anchor Annotation, Paper 5
Score Point 1

This response receives partial credit. It includes one of the two required elements:

- A complete explanation of the strategy used to find the answer is provided (*I found the answer by dividing 126 and 21).* Note: Although the conjunction "and" is not mathematically correct as it does not clarify which value is dividend and which is divisor, the response receives credit for this element because the order of the numbers is correct [126 followed by 21].

The number of miles Olivia ran each day is incorrect (*9*).

A6

she ran 6 miles every day i used long division

Anchor Annotation, Paper 6
Score Point 1

This response receives partial credit. It includes one of the two required elements:

- The correct number of miles Olivia ran each day is provided (*6*).

The explanation of the strategy used to find the answer is vague (*i used long division*). To receive credit for this element, the response should clarify that total distance (126 miles) was divided by the number of days (21).

A7

$126 \div 21 = 6$

Anchor Annotation, Paper 7
Score Point 2

This response receives full credit. It includes both of the required elements:

- The correct number of miles Olivia ran each day is provided (*6*). Note: Although the answer is embedded in the equation, it is clarified as the answer by isolating the value on one side of the equation.
- A complete explanation of the strategy used to find the answer is provided (*126 ÷ 21 = 6*).

A8

Olivia runs 6 miles a day. Let me exsplan I skip counted by 21s and when i got to 126 i counted how many which was 6 then that gave me the sum of 6 miles

Anchor Annotation, Paper 8
Score Point 2

This response receives full credit. It includes both of the required elements:

- The correct number of miles Olivia ran each day is provided (*6*).
- A complete explanation of the strategy used to find the answer is provided (*I skip counted by 21s and when i got to 126 i counted how many witch was 6*). The response clarifies that there will be 6 jumps of 21s to reach 126.

A9

Olivia ran 6 miles every day for 21 days. I know this because $6 \times 21 = 126$ and $126 \div 21 = 6$ so I used divson then checked with mutablaciton

Anchor Annotation, Paper 9
Score Point 2

This response receives full credit. It includes both of the required elements:

- The correct number of miles Olivia ran each day is provided (*6*).
- A complete explanation of the strategy used to find the answer is provided (*6 x 21 = 126 and 126 ÷ 21 = 6*). The division equation clarifies how the answer was found since total miles ran are divided by the number of days to find the distance ran each day. The multiplication equation to check the answer also provides an alternate strategy.

8

MA0521003_1

What is the value of the expression

$$6 \times \left\{ 48 - \left[\frac{2 \times (11 + 7)}{4} - 5 \right] \times 8 \right\}?$$

A 96

B 768

C 1,632

D 2,192

STOP

Released Item Performance

Kentucky Summative Assessments

Spring 2026
Grade 5
Mathematics

Item: MA0521003
Book Question Number: 8

Standard: KY.5.OA.1

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	**32,358**	26%	0.26	26%	29%	32%	14%
Gender							
Female	**15,778**	24%	0.24	24%	28%	33%	15%
Male	**16,578**	27%	0.27	27%	29%	30%	13%
Ethnicity							
African American	**3,573**	17%	0.17	17%	30%	36%	17%
American Indian or Alaska Native	**34**	15%	0.15	15%	38%	32%	15%
Asian	**735**	43%	0.43	43%	22%	24%	11%
Hispanic or Latino	**3,542**	20%	0.20	20%	30%	37%	13%
Native Hawaiian or Pacific Islander	**47**	32%	0.32	32%	19%	38%	11%
White (non-Hispanic)	**22,495**	28%	0.28	28%	28%	30%	14%
Two or more races	**1,929**	22%	0.22	22%	29%	33%	15%
Migrant	**173**	17%	0.17	17%	34%	32%	17%
English Learner	**2,468**	14%	0.14	14%	31%	40%	14%
Economically Disadvantaged	**20,072**	22%	0.22	22%	30%	34%	14%
Students with Disabilities	**6,051**	19%	0.19	19%	27%	35%	19%

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