Grade 4

FAST Mathematics

Sample Test Materials Answer Key

The Grade 4 FAST Mathematics Sample Test Materials Answer Key provides the correct response(s) for each item on the sample test. The sample items and answers are not intended to demonstrate the length of the actual test, nor should student responses be used as an indicator of student performance on the actual test.

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1. What number is one-hundredth more than 732.12?

Write your response in the shaded box below.

732.13

Other correct responses: *any equivalent value*

Go On

2. A list of numbers is shown.

419,572
431,257
413,725

Select numbers to order them from greatest to least. For each box, fill in the bubble before the number that is correct.

Ⓐ 419,572	● 419,572	Ⓐ 419,572
● 431,257 ;	Ⓑ 431,257 ;	Ⓑ 431,257
Ⓒ 413,725	Ⓒ 413,725	● 413,725

Go On

3. Hanson adds cups of flour to a bowl to make dough.

- He needs $8\frac{3}{5}$ cups of flour.
- He has already added $6\frac{2}{5}$ cups.

How many more cups of flour does Hanson need to add?

Ⓐ $1\frac{1}{5}$

● $2\frac{1}{5}$

Ⓒ $2\frac{5}{10}$

Ⓓ $14\frac{5}{10}$

Option B: **This answer is correct.** *The student correctly subtracted* $6\frac{2}{5}$ *from* $8\frac{3}{5}$.

Go On

4. Marcy draws a rectangle.

- The rectangle has an area of 12 square inches and a perimeter of 16 inches.
- Marcy wants to draw a second rectangle with the same perimeter but a different area.

What are possible values, in inches, for the length and width of the second rectangle?

Write your responses in the shaded boxes below.

Length: 5

Width: 3

Other correct responses: *any equivalent value*

Note: *The values for length and width can be reversed.*

Go On

5. Hannah has 3 baseballs. Each baseball weighs $\frac{5}{16}$ pound.

Select all the expressions that represent the total weight, in pounds, of all 3 baseballs.

Ⓐ $\frac{5}{16} + 3$

● $\frac{5}{16} \times 3$

● $\frac{5}{16} \times \frac{3}{1}$

Ⓓ $\frac{5}{16} \times \frac{3}{3}$

● $\frac{5}{16} + \frac{5}{16} + \frac{5}{16}$

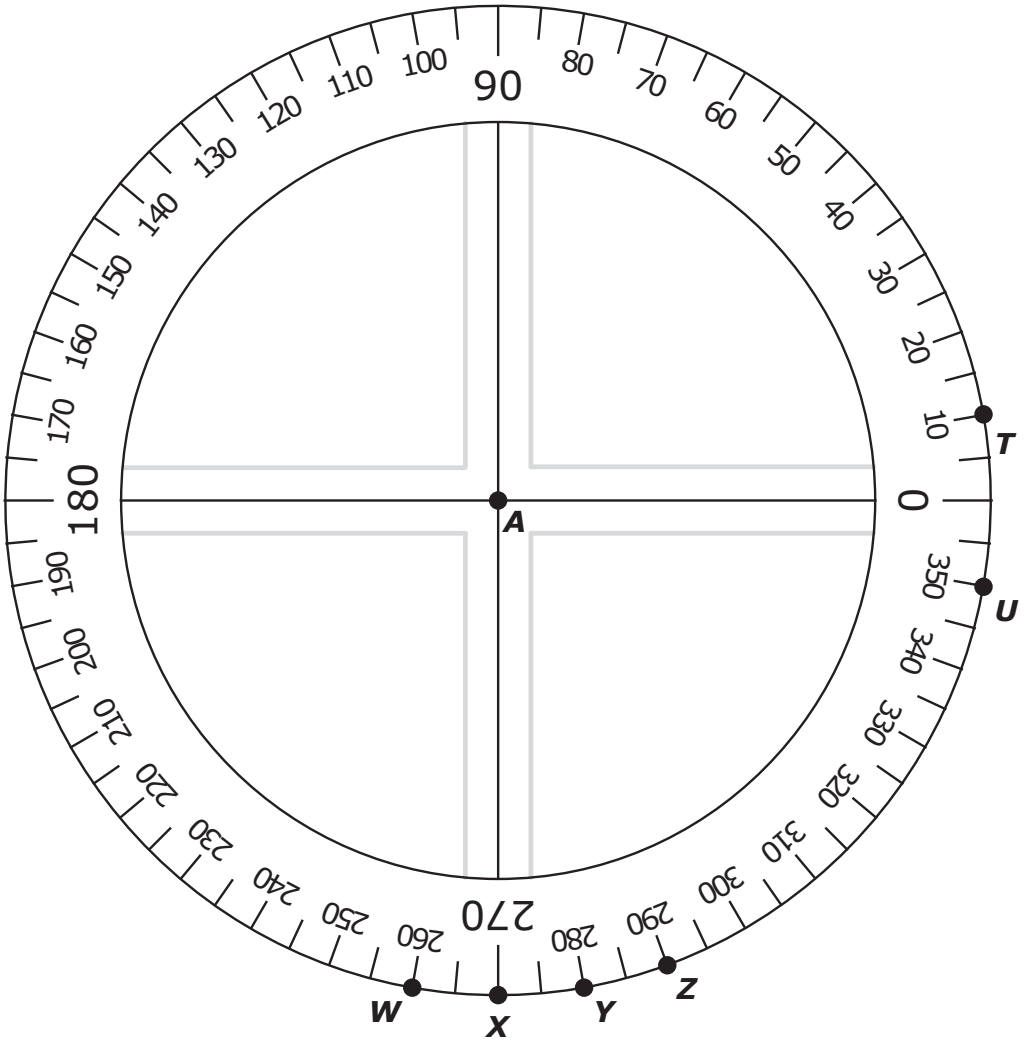
Option B: **This answer is correct.** *The student correctly identified that 5/16 × 3 accurately represents the situation.*

Option C: **This answer is correct.** *The student correctly identified that 5/16 × 3/1 accurately represents the situation.*

Option E: **This answer is correct.** *The student correctly identified that the numerator of the expression 5/16 can be added to itself 3 times to find the total weight of 3 baseballs.*

Go On

6. A protractor with labeled points is shown.



Select two points to draw two rays to form an angle measuring 80 degrees. For each blank, fill in the bubble **before** the point that is correct.

Draw a ray from point *A* to point _____ [● *T* Ⓑ *U*].

Draw a second ray from point *A* to point _____ [Ⓐ *W* Ⓑ *X* Ⓒ *Y* ● *Z*].

Other correct responses:

Draw a ray from point *A* to point _____ [Ⓐ *T* ● *U*].

Draw a second ray from point *A* to point _____ [Ⓐ *W* ● *X* Ⓒ *Y* Ⓓ *Z*].

Go On

7. Fill in bubbles to match each decimal with all its equivalent fractions.

	$\frac{9}{10}$	$\frac{90}{100}$	$\frac{9}{100}$
0.9	●	●	Ⓒ
0.09	Ⓓ	Ⓔ	●

Go On

8. This question has **two** parts.

Part A

Fill in the bubble to select the correct comparison of the two decimals.

Ⓐ 237.1 < 237.04
● 237.1 > 237.04

Part B

Which statement explains why the comparison is true?

Ⓐ One-tenth is less than four-hundredths.
● One-tenth is greater than four-hundredths.
Ⓒ One-hundredth is less than four-tenths.
Ⓓ One-hundredth is greater than four-tenths.

Option B: **This answer is correct.** *The student identified that one-tenth is larger than four-hundredths.*

Go On

9. What is the value of $3\frac{3}{8} - 2\frac{6}{8}$?

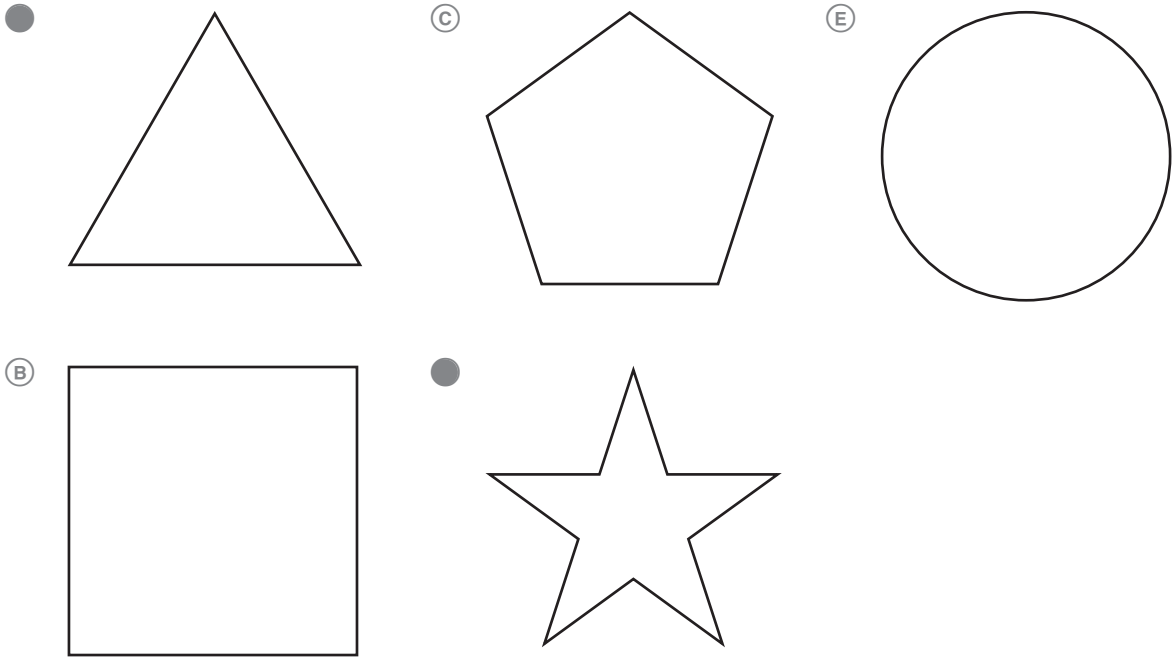
Write your response in the shaded box below.

$\frac{5}{8}$

Other correct responses: *any equivalent value*

Go On

10. Select all the shapes that have at least one acute angle.



Option A: **This answer is correct.** *The student recognized that each angle in the triangle is less than 90 degrees and is therefore acute.*

Option D: **This answer is correct.** *The student recognized that the angle at each point of the star is less than 90 degrees and is therefore acute.*

Office of Assessment
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