The Grade 4 FSA Mathematics Practice Test Answer Key provides the correct response(s) for each item on the practice test. The practice questions 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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Session 1
1. How many times greater is the value of 5 in 2,573 than the value of 5 in 6,459?

- 10
- 50
- 100
- 500

2. There are 27 players on a soccer team. They are traveling to a game in 7 cars. There are 4 players in each of the first 6 cars. How many players on the soccer team will travel in the seventh car?
3. Determine whether each number is prime or composite.

<table>
<thead>
<tr>
<th></th>
<th>Prime</th>
<th>Composite</th>
</tr>
</thead>
<tbody>
<tr>
<td>16</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td></td>
<td>D</td>
</tr>
<tr>
<td>12</td>
<td>E</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td></td>
<td>J</td>
</tr>
</tbody>
</table>
4. Kari represented a fraction by shading parts of the model shown.

Kari’s Fraction Model

Select all the models that have been shaded to represent fractions equivalent to Kari’s fraction.
5. In social studies class, Armando learned about the state of Nevada. He drew the picture shown to represent the shape of Nevada.

Which list below correctly describes the kinds of angles that appear to be inside the shape above?

- 0 acute, 1 obtuse, 3 right
- 1 acute, 1 obtuse, 2 right
- 3 acute, 0 obtuse, 1 right
- 4 acute, 0 obtuse, 0 right
6. This question has two parts.

Two numbers are multiplied using the area model shown.

Part A. Complete the statement. For the box, fill in the bubble before the value that is correct.

The value of the missing number in the area model is 630.

Part B. What is the product of the two numbers represented by the area model?

A 2,793
B 18,921
C 19,551
D 19,558
7. Jing participates in a trivia contest. He completes each question in \( \frac{1}{2} \) minute.

How long does it take for Jing to complete 10 questions?

- 300 seconds
- 600 seconds
- 660 seconds
- 1,200 seconds
8. Round 245,675 to the nearest hundred thousand.
9. What is the measure, in degrees (°), of angle $P$?

- 45°
- 55°
- 135°
- 155°
10. Daniella fills a container with soil by using a bowl. The bowl holds \( \frac{3}{4} \) cup of soil. Daniella uses 13 full bowls of soil to fill the container.

How many cups of soil does the container hold?

Other correct responses: any equivalent value

11. Which statements correctly compare two numbers?

- \( A \) 2,059 > 2,095
- \( B \) 2,095 < 2,059
- \( C \) 2,059 < 2,095
- \( D \) 2,095 > 2,059
- \( E \) 2,059 = 2,095
12. A rectangle has a length of 11 feet and a perimeter of 38 feet.

What is the width, in feet, of the rectangle?
13. What is the value of $1\frac{3}{10}$ in decimal form?

Other correct responses: any equivalent decimal
14. Which equation is true?

- A \(340 + 20 = 370 + 10\)
- B \(340 + 30 = 350 + 10\)
- C \(340 + 40 = 340 + 10\)
- D \(340 + 50 = 380 + 10\)

15. Johnny has 17 marbles. Mitchell has 3 times as many marbles as Johnny. How many marbles does Mitchell have?
This is the end of Session 1.
Session 2
16. Which figure has a line of symmetry?

A

G

C

R

D


17. The table shows the distances that Brianna ran on four days.

<table>
<thead>
<tr>
<th>Day</th>
<th>Distance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monday</td>
<td>2.04 miles</td>
</tr>
<tr>
<td>Tuesday</td>
<td>2.37 miles</td>
</tr>
<tr>
<td>Wednesday</td>
<td>2.40 miles</td>
</tr>
<tr>
<td>Thursday</td>
<td>2.08 miles</td>
</tr>
</tbody>
</table>

Which comparison about the distances is true?

A  Monday’s distance is equal to Wednesday’s distance.
B  Tuesday’s distance is less than Monday’s distance.
C  Thursday’s distance is less than Tuesday’s distance.
D  Thursday’s distance is greater than Wednesday’s distance.
18. Select all the equations that show different ways to represent $\frac{5}{8}$.

- $\frac{2}{8} + \frac{3}{8} = \frac{5}{8}$
- $\frac{5}{8} + \frac{3}{8} = \frac{5}{8}$
- $\frac{1}{8} + \frac{5}{8} = \frac{6}{8}$
- $\frac{1}{8} + \frac{3}{8} + \frac{1}{8} = \frac{5}{8}$
- $\frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} = \frac{5}{8}$

19. A cheetah jumps 7 meters.

How many centimeters does the cheetah jump?
20. What is the measure, in degrees (°), of the missing angle?
21. An addition statement is shown.

\[
\begin{array}{c}
26,\Box54 \\
18,899 \\
+12,351 \\
\hline
58,004
\end{array}
\]

What is the missing digit that makes the addition statement true?

A. 0  
B. 1  
C. 7  
D. 8
22. A pattern starts with one triangle and follows the rule “Add one triangle to the top, add one triangle to the left, and add one triangle to the right.” The first three figures for the pattern are shown.

Complete the statement to describe the 4th figure for the pattern shown. For each box, fill in the bubble before the word or phrase that is correct.

The 4th figure for the pattern will have an \( \text{even} \) number of triangles because

- adding an even number to an even number will always equal an even number.
- adding an even number to an even number will always equal an odd number.
- adding an odd number to an odd number will always equal an even number.
- adding an odd number to an odd number will always equal an odd number.
23. Which pair of statements represents $45 = 5 \times 9$?

A. Rosie has 45 toy cars. Rosie gives 9 toy cars to her brother.
B. Rosie has 5 toy cars. Her brother has 9 more toy cars than Rosie has.
C. Rosie has 5 toy cars. Her brother has 9 times as many toy cars as Rosie has.
D. Rosie has 5 toy cars. Rosie’s brother increases the number of toy cars she has by 45.
24. This question has **two** parts.

A line plot with long jump data is given.

**Long Jump Measurements**

Allison jumped \( \frac{3}{8} \) foot shorter than the farthest jump.

**Part A.** How far, in feet, did Allison jump?

- A. \( 4 \frac{1}{8} \)
- C. \( 5 \)
- D. \( 5 \frac{1}{8} \)

**Part B.** Complete the statement. For the box, fill in the bubble before the distance that is correct.

The difference between the shortest distance jumped

and the farthest distance jumped is \( 1 \frac{2}{8} \) feet.
25. Select all the shapes that **always** contain perpendicular sides.

- A. obtuse triangle
- B. acute triangle
- C. right triangle
- D. rectangle
- E. rhombus
- F. square
26. Melvin mows a lawn. The fraction of the lawn that Melvin has mowed so far is represented by the shaded model shown.

Melvin will mow $\frac{3}{10}$ more of the lawn before he takes his first break.

What fraction of the lawn will Melvin have mowed when he takes his first break?

Other correct responses: any equivalent value
27. Select all the expressions that have a value of 32.

- A 304 ÷ 9
- B 259 ÷ 8
- C 224 ÷ 7
- D 160 ÷ 5
- E 100 ÷ 3

28. Select >, <, or = to complete a true comparison for each pair of fractions.

<table>
<thead>
<tr>
<th></th>
<th>&gt;</th>
<th>&lt;</th>
<th>=</th>
</tr>
</thead>
<tbody>
<tr>
<td>( \frac{4}{3} )  ( \frac{6}{5} )</td>
<td>B</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>( \frac{6}{2} )  ( \frac{9}{3} )</td>
<td>D</td>
<td>E</td>
<td>C</td>
</tr>
<tr>
<td>( \frac{3}{2} )  ( \frac{7}{4} )</td>
<td>G</td>
<td></td>
<td>I</td>
</tr>
</tbody>
</table>
29. This question has two parts.

**Part A.** What is the expanded form of 32,084?

- A 30 hundreds + 20 tens + 84 ones
- B 30 thousands + 20 hundreds + 84 tens
- C $3 \times 10000 + 2 \times 1000 + 8 \times 100 + 4 \times 1$
- D $3 \times 10000 + 2 \times 1000 + 8 \times 10 + 4 \times 1$

**Part B.** What is 30,284 in word form?

- A Thirty thousand, two hundred eighty-four
- B Three thousand, two hundred eighty-four
- C Thirty-two thousand and eighty-four

30. Which is an angle?
This is the end of Session 2.