

GR4 Q3 Pre Test Benchmark Student Copy

Indicate the answer choice that best completes the statement or answers the question.

Read each question. Select the correct answer. 4.OA.3

1. What is the value of the unknown?

$$(4 + 6) \div 2 = n$$

- a. $n = 5$ b. $n = 7$
c. $n = 8$ d. $n = 10$

2. In a pack of erasers, $\frac{2}{5}$ is pink and $\frac{1}{5}$ is blue. What fraction of the erasers is pink and blue? 4.NF.3d

- a. $\frac{1}{5}$ b. $\frac{3}{5}$
c. $\frac{4}{5}$ d. $\frac{4}{10}$

3. The table shows the cost (c) of swim passes (p) at a pool. What equation describes the pattern? 4.OA.5

Input (p)	2	4	6	8
Output (c)	28	56	84	112

- a. $p + 26 = c$
b. $p \times 28 = c$
c. $p \div 14 = c$
d. $p \times 14 = c$

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4. The equation shown in the table can be used to find the output when the input is 1, 3, and 5. 4.OA.3

$7 + (5 + x) \times 3 = y$	
Input (x)	Output (y)
1	
3	
5	

Which numbers complete the table?

- a. 15, 21, 27
 - b. 16, 18, 21
 - c. 25, 31, 37
 - d. 39, 45, 51
5. Which equation represents $3 \times \frac{3}{5}$ as a multiple of a unit fraction? 4.NF.4a

a. $9 \times \frac{2}{5}$ b. $3 \times \frac{1}{5}$

c. $6 \times \frac{1}{5}$ d. $9 \times \frac{1}{5}$

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6. The rule of a sequence is multiply by 4. If the first term is 8, what are the next four terms? 4.OA.5

- a. 28, 112, 448, 1,792
- b. 32, 128, 512, 2,018
- c. 32, 128, 512, 2,048
- d. 32, 128, 412, 1,648

7. Which three numbers have a common multiple of 12? 4.OA.4

- a. 2, 3, 5 b. 2, 4, 8
- c. 3, 6, 8 d. 3, 4, 6

8. What mixed number and fraction does the shaded part of the model represent? 4.NF.3



- a. $2\frac{1}{4}, \frac{9}{4}$
- b. $2\frac{3}{4}, \frac{11}{4}$
- c. $3\frac{1}{4}, \frac{13}{4}$
- d. $11\frac{1}{4}, \frac{11}{4}$

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9. Look at the equation. What is the value of b when $a = 3$? 4.OA.3

$$(15 - a) \div 3 = b$$

- a. 3 b. 4
c. 6 d. 14

10. Derek has 50 inches of balsa wood. He used $36\frac{7}{8}$ inches to make a kite. He used $12\frac{3}{8}$ inches to make a model airplane. How much of the balsa wood is left? 4.NF.3c

- a. $\frac{3}{4}$ inch b. $1\frac{1}{4}$ inches
c. $2\frac{1}{4}$ inches d. $2\frac{1}{2}$ inches

Use the following table.

Cost per Pound	
Fruit	Cost (dollar)
Apples	0.35
Bananas	0.19
Cantaloupe	0.53
Grapes	0.15

11. Which fruit costs the least per pound? 4.NF.7

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12. Which fruit costs the most per pound? 4.NF.7