

**GR4 Q3 Pre Test Benchmark Teacher Copy****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.  $9 \times \frac{1}{5}$

\_\_\_ 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

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\_\_\_ 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.  $11\frac{1}{4}, \frac{11}{4}$

\_\_\_ 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

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Use the following table.

<b>Cost per Pound</b>	
<b>Fruit</b>	<b>Cost (dollar)</b>
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

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**Answer Key**

1. a
2. b
3. d
4. c
5. d
6. c
7. d
8. b
9. b
10. a
11. grapes
12. cantaloupe