

Fifth Grade Test

Name _____ Teacher _____ Date _____

5.OA.1 Use parentheses, brackets, or braces in numerical expressions, and evaluate expressions with these symbols.

1. When evaluating an expression that contains symbols, which of the following gives the order in which the operations are performed.

- a. parentheses, braces, brackets
- b. brackets, parentheses, braces
- c. braces, brackets, parentheses
- d. parentheses, brackets, braces,

2. Evaluate the following expression. $2\{3[4 + 6(9 - 5) + 3]\}$

- a. 186
- b. 216
- c. 125

3. Which of the following is an example of the symbol, braces?

- a. []
- b. { }
- c. ()

4. Evaluate the following expression. $4\{3[2 + 5(8 - 3) + 4]\}$

- a. 148
- b. 372
- c. 118

5.OA.2 Multiply or divide to solve word problems involving multiplicative comparison with a symbol for the unknown number to represent the problem.

5. Eli gathered 3 buckets of acorns on Monday. On Tuesday he gathered twice as many buckets of acorns. How many buckets did Eli gather on Tuesday?

- a. $3 \times 2 = 6$
- b. $3 + 2 = 5$
- c. $3 - 2 = 1$

6. Sawyer scored 6 points in his first basketball game. He scored three times as many points during his second basketball game. How many points did he score during the second game?

- a. $6 + 3 = 9$
- b. $6 \times 3 = 18$
- c. $6 - 3 = 3$

7. Evan has 12 DVDs. Colin, has 36 DVDs. How many times as many DVDs does Colin have than Evan?

a. $12 + 36 = 48$

b. $36 - 12 = 24$

c. $36 \div 12 = 3$

8. Sophie is 36 inches tall. Her father is 72 inches tall. How many times as tall is Sophie's father than Sophie?

a. $72 \div 36 = 2$

b. $36 + 72 = 108$

c. $72 - 36 = 36$

5.OA.3 Generate two numerical patterns using two given rules. Identify apparent relationships between corresponding terms.

9. Identify the rules for the two numerical patterns.

<i>x</i>	1	4	7	10	13
<i>y</i>	2	6	10	14	18

a. *x* is add 4
y is add 3

b. *x* is add 3
y is add 2

c. *x* is add 3
y is add 4

10. Which of the following is a relationship of the corresponding terms.

<i>x</i>	14	11	8	5	2
<i>y</i>	18	14	10	6	2

between

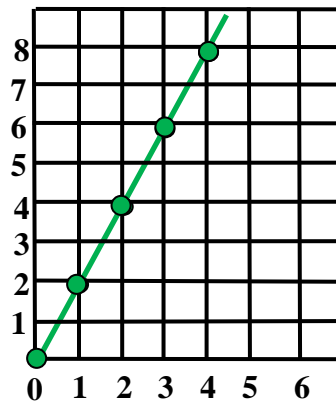
a. *x* is decreasing 3 more than *y* each time.

b. *y* is decreasing one more than *x* each time.

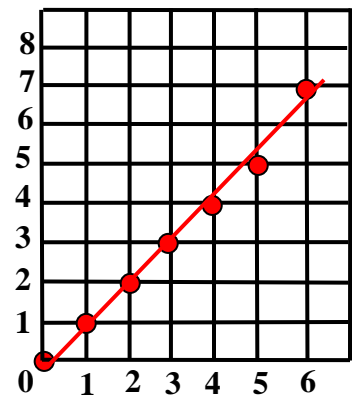
c. *x* is decreasing 4 more than *y* each time.

11. Which of the following graphs correctly displays the ordered pairs in the table?

<i>x</i>	0	1	2	3	4
<i>y</i>	0	2	4	6	8



a.

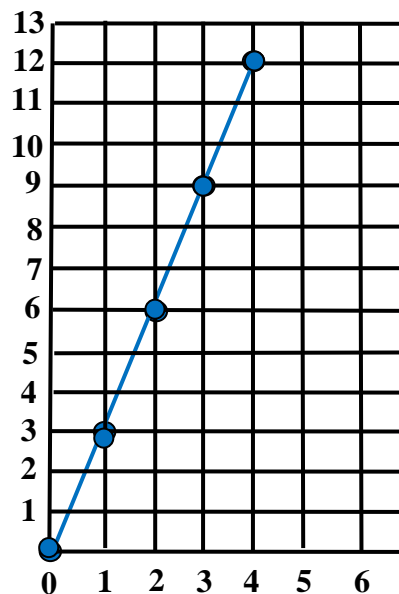


b.

12. Which of the following statements is an interpretation of the graph.

x	1	4	7	10	13
y	0	3	6	9	12

- a. Each term increases by 3.
- b. x increases by 1, and y increases by 3.
- c. Each term increases by 2.



Answer Key for Fifth Grade Test
Operations and Algebraic Thinking

Standard	Answer
5.OA.1	1. d
	2. a
	3. b
	4. b
5.OA.2	5. a
	6. b
	7. c
	8. a
5.OA.3	9. c
	10. b
	11. a
	12. b