

Math Algebra 6_8

Student Name: _____

Date: _____

1.

Mary picks 6 oranges.
She gives away (y) oranges.
Now Mary has 2 oranges.
Which shows this?

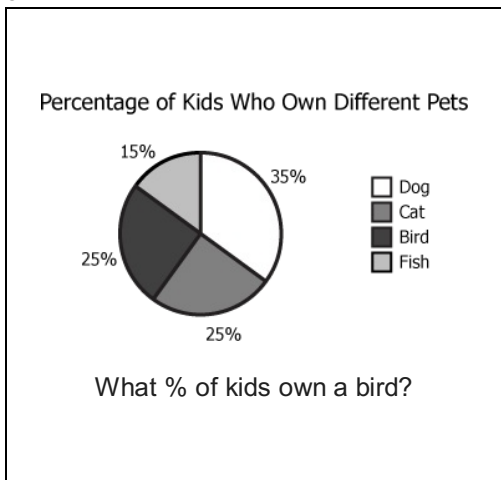
- A. $6 - y = 2$
- B. $y = 6 + 2$
- C. $y + 2 = 8$

2.

$12 \div 6 = y$
 $y = \underline{\quad}$

- A. 2
- B. 18
- C. 6

3.



- A. 15%
- B. 25%
- C. 35%

4.

Jill has \$45.
She spends \$20 on dinner.
Which shows how much money (y) Jill has left?

- A. $y = 45 + 20$
- B. $y = 20 \overline{)45}$
- C. $y = 45 - 20$

5.

$$2(2y + 3) = \underline{\quad}$$

- A. $4y + 5$
- B. $4y + 1$
- C. $4y + 6$

6.

$$(4 + 5) \times (3 + 8) = \underline{\quad}$$

- A. 99
- B. 31
- C. 68

7.

$$100 - 50 + (6 \times 3)$$

Which step is first?

- A. 6×3
- B. $100 - 50$
- C. 50×3

8.

There are (d) ducks.
Each duck lays 4 eggs.
Which shows how many eggs in all?

- A. $d \times 4$
- B. $d - 4$
- C. $d + 4$

9.

$$60y = 120$$
$$y = \underline{\quad}$$

- A. 2
- B. 60
- C. 3

10.

$$2(y) = 16$$

Which is also true?

- A. $y = 16 - 2$
- B. $y = 16 \times 2$
- C. $2\sqrt[16]{y}$

11.

One car has 4 wheels.
There are (c) cars.
Which shows how many wheels (w)
they have in all?

- A. $w = 4 - c$
- B. $w = 4 \times c$
- C. $w = 4 + c$

12.

$$86y = 430$$
$$y = \underline{\quad}$$

- A. 6
- B. 4
- C. 5

13.

$$\begin{aligned} \text{Area of a square} &= \text{side} \times \text{side} \\ \text{Area} &= 9 \text{ in.}^2 \\ \text{side} &= \underline{\quad} \text{ in.} \end{aligned}$$

- A. 3
- B. 6
- C. 2

14.

$$\begin{aligned} 4(Y \times 8) &= 8(8 \times 4) \\ Y &= \underline{\quad} \end{aligned}$$

- A. 6
- B. 5
- C. 8

15.

$$\begin{aligned} 9(8 \times 3) &= 4(6 \times Y) \\ Y &= \underline{\quad} \end{aligned}$$

- A. 7
- B. 9
- C. 6

16.

$$\begin{aligned} W &= 2 \\ Z &= 3 \\ (4 + W) - (Z \times 0) &= \underline{\quad} \end{aligned}$$

- A. 4
- B. 6
- C. 2