

## Math Algebra 6\_9

Student Name: \_\_\_\_\_

Date: \_\_\_\_\_

1.

Kids in Schools

School	6th Grade	7th Grade	8th Grade
Washington	50	65	75
Jefferson	65	75	80
Madison	80	100	75

What school has the most kids in 8th grade?

- A. Madison
- B. Jefferson
- C. Washington

2.

Jill reads 20 pages of a book.  
Then she reads (p) pages more.  
Which shows this?

- A.  $20 - p$
- B.  $20 + p$
- C.  $20 \times p$

3.

$3 + x = 8$   
 $x = \underline{\quad}$

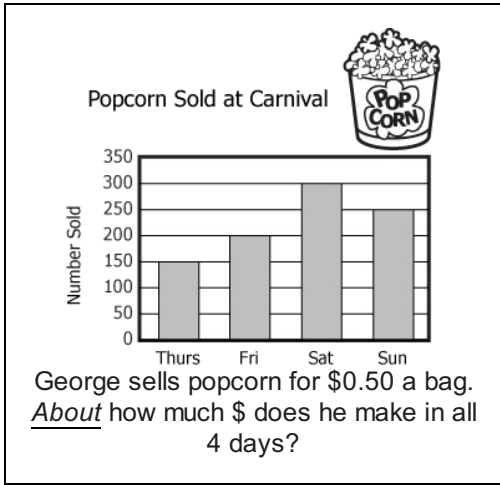
- A. 5
- B. 11
- C. 3

4.

$3 \times (4 + 4) =$

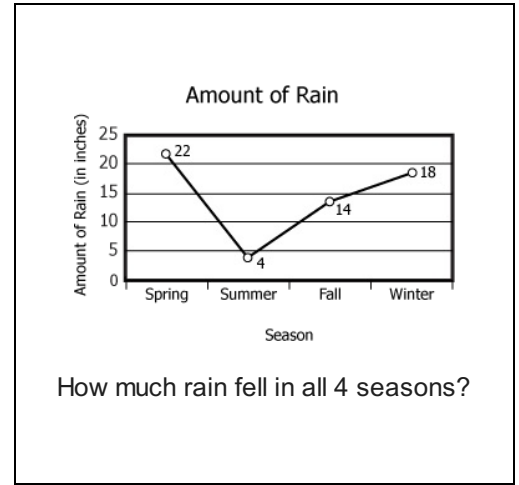
- A.  $3 \times 8$
- B.  $3 \times 8 \times 3$
- C.  $12 + 4$

5.



- A. \$900.00
- B. \$350.00
- C. \$450.00

6.



- A. 58 inches
- B. 48 inches
- C. 68 inches

7.

$$2 \times 2 \times 2 \times y = 2^4$$
$$y = \underline{\quad}$$

- A. 10
- B. 2
- C. 6

8.

$$3(3 + a) = 7(5 - 2)$$
$$a = \underline{\quad}$$

- A. 4
- B. 3
- C. 2

9.

$$y = 6x$$
$$x = 5$$
$$y = \underline{\quad}$$

- A. 11
- B. 1
- C. 30

10.

Area of a square = side  $\times$  side

side of a square = 5 in.

$$\text{Area} = \underline{\quad} \text{ in.}^2$$

- A. 25
- B. 24
- C. 10

11.

A cake weighs 1.5 pounds.


A book weighs (p) times as many pounds.

Which shows how many pounds the book weighs?

- A.  $1.5 \times p$
- B.  $1.5 - p$
- C.  $1.5 + p$

12.

Perimeter =  $(2 \times \text{length}) + (2 \times \text{width})$



length = 9 in.

width = y

Perimeter = 38 inches.

width =  $\underline{\quad}$  in.

- A. 29
- B. 10
- C. 20

13.

$$6(4) + 6x = 6(4 + 1)$$
$$x = \underline{\quad}$$

- A. 2
- B. 3
- C. 1

14.

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

- A.  $10y$
- B.  $12y$
- C. 12

15.

$$60 \text{ is } \underline{\quad} \text{ of } 30$$

- A. 500%
- B. 200%
- C. 300%

16.

$Y$  people fit in 1 van.  
There are 5 vans.  
Which shows how many people fit in all the vans?

- A.  $Y + 5$
- B.  $Y \times 5$
- C.  $5 - Y$