Math Algebra 6_4

Student Name:_____   Date:_____

1.

Weights of 5 Dogs

Weight (in pounds)

100
90
80
70
60
50
40
30
20
10
0

Dog A   Dog B   Dog C   Dog D   Dog E

Dog

Which dog weighs the least?
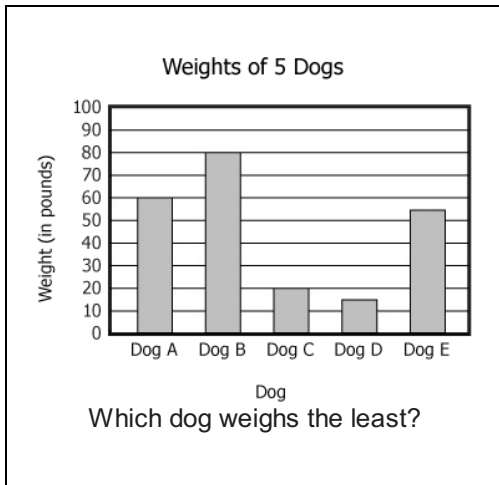
A. Dog C

B. Dog D

C. Dog B

2.

$a = 4$

$b = 9$

$a \times b = \underline{\quad}$

A. 16

B. 49

C. 36

3.

$3 \times 4 + 5 =$

A. 7 + 5

B. 12 + 5

C. 3 × 9

4.

$7 \times (5 + 1) =$

A. 35 + 1

B. 7 + 5

C. 7 × 6

5.

$$4(8y) = 8(8 \times 4)$$

$$y = \underline{}$$

A. 16

B. 4

C. 8

6.

$$4s = 24$$

$$s = \underline{}$$

A. 7

B. 6

C. 8

7.

Book A is 50 pages long.

Book B is 20 pages long.

$$50 - 20 = y$$

What is y?

A. How many pages Book A and Book B have together

B. How many more pages Book A has than Book B
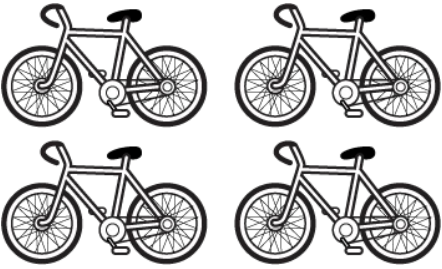
C. How many more pages Book B has than Book A

8.

$$j - 4 = 20$$

$$j = \underline{}$$

A. 24

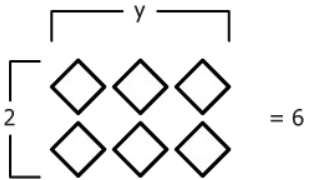**B.** 14

C. 16

9.

One bike has 2 wheels.

Which shows how many wheels (y) 4 bikes have?

A. $y = 2 \times 4$

B. $y = 4 - 2$

C. $y = 2 + 4$

10.

Which fits this?

A. $6 + 2 = y$

B. $2 + 2 + y = 6$

C. $2(y) = 6$

11.

$x - 12 = 45$

$x = \underline{\ \ }$

A. 58

B. 33

C. 57

12.

$14 \times 5 - 6 = 8 \times 8 - y$

$y = \underline{\ \ }$

A. 1

B. 2

C. 0

13.

$$18 \times 2 + 3 = 12a + 3$$

$$a = \underline{\hphantom{00}}$$

A. 5

B. 3

C. 4

14.

$$3z \times 4 + 3 =$$

A. 15z

B. 23z

C. 12z + 3

15.

$$8x - 3x - 3 =$$

A. 5x + 3

B. 2x

C. 5x − 3

16.

There are (y) apples.

6 friends share them evenly.

Which shows this?

A. y + 6

B. y − 6

C. $6\overline{)y}$