

# Math 6 - Unit 3: Expressions

## Distributive Property HOMEWORK #1

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

Class Period: 1 2 3 4 Date: \_\_\_\_\_

Use the distributive property to solve the following problems. Be sure to show all your work.

1.  $3(24)$

2.  $8(67)$

3.  $5(39)$

4.  $9(48)$

5.  $4(52)$

6.  $6(75)$

Use the Distributive Property to rewrite each algebraic expression.

7.  $6(n + 4)$

8.  $5(2 + r)$

9.  $8(s + 5)$

10.  $3(b + 8)$

11.  $5(6 + b)$

12.  $9(3 + v)$

13.  $7(r + 7)$

14.  $12(4 + v)$

15.  $11(3 + s)$

16.  $4(x + 3)$

17.  $7(x + 4)$

18.  $2(x + 8)$

19.  $9(x + 6)$

20.  $3(x + 11)$

21.  $5(x + 7)$

22.  $6(x + 4)$

23.  $8(x + 9)$

24.  $4(x + 5)$

# Math 6 - Unit 3: Expressions

## Distributive Property HOMEWORK #1 Answer Key

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

Class Period: 1 2 3 4 Date: \_\_\_\_\_

Use the distributive property to solve the following problems. Be sure to show all your work.

1.  $3(24)$

$$3(20 + 4) = 60 + 12 = 72$$

2.  $8(67)$

3.  $5(39)$

$$5(30 + 9) = 150 + 45 = 195$$

4.  $9(48)$

5.  $4(52)$

$$4(50 + 2) = 200 + 8 = 208$$

6.  $6(75)$

Use the Distributive Property to

7.  $6(n + 4)$   $6n + 24$

8.  $5(2 + r)$

9.  $8(s + 5)$   $8s + 40$

10.  $3(b + 8)$

11.  $5(6 + b)$   $30 + 5b$

12.  $9(3 + v)$

13.  $7(r + 7)$   $7r + 49$

14.  $12(4 + v)$

15.  $11(3 + s)$   
 $33 + 11s$

16.  $4(x + 3)$

17.  $7(x + 4)$   $7x + 28$

18.  $2(x + 8)$

19.  $9(x + 6)$   $9x + 54$

20.  $3(x + 11)$

21.  $5(x + 7)$   $5x + 35$

22.  $6(x + 4)$

23.  $8(x + 9)$   $8x + 72$

24.  $4(x + 5)$