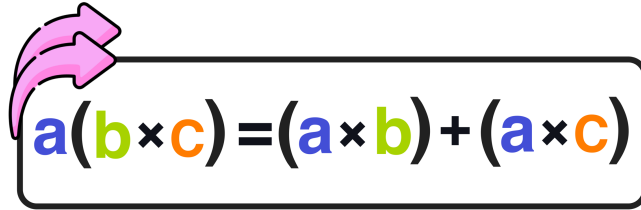


Name: \_\_\_\_\_

## The Distributive Property of Multiplication


$$a(b \times c) = (a \times b) + (a \times c)$$

**Directions:** Use the distributive property to rewrite each of the following equations. The first problem is already solved for you.

1.)  $8 \times 23 = (8 \times 20) + (8 \times 3) = 160 + 24 = 184$

2.)  $10 \times 42 =$  \_\_\_\_\_

3.)  $5 \times 35 =$  \_\_\_\_\_

4.)  $7 \times 29 =$  \_\_\_\_\_

5.)  $6 \times 51 =$  \_\_\_\_\_

6.)  $5 \times 67 =$  \_\_\_\_\_

7.)  $10 \times 49 =$  \_\_\_\_\_

8.)  $7 \times 80 =$  \_\_\_\_\_

9.)  $9 \times 35 =$  \_\_\_\_\_

10.)  $12 \times 27 =$  \_\_\_\_\_

## ANSWER KEY

1.)  $8 \times 23 = (8 \times 20) + (8 \times 3) = 160 + 24 = 184$

2.)  $10 \times 42 = (10 \times 40) + (10 \times 2) = 400 + 20 = 420$

3.)  $5 \times 35 = (5 \times 30) + (5 \times 5) = 150 + 25 = 175$

4.)  $7 \times 29 = (7 \times 20) + (7 \times 9) = 140 + 63 = 203$

5.)  $6 \times 51 = (6 \times 50) + (6 \times 1) = 300 + 6 = 306$

6.)  $5 \times 67 = (5 \times 60) + (5 \times 7) = 300 + 35 = 335$

7.)  $10 \times 49 = (10 \times 40) + (10 \times 9) = 400 + 90 = 490$

8.)  $7 \times 80 = (7 \times 50) + (7 \times 30) = 350 + 210 = 560$

9.)  $9 \times 35 = (9 \times 30) + (9 \times 5) = 270 + 45 = 315$

10.)  $12 \times 27 = (12 \times 20) + (12 \times 7) = 240 + 84 = 324$