

## Distributive Property Multiplication (J)

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Score: \_\_\_\_\_

Use the distributive property of multiplication to calculate each product.

Ex.  $728 \times 2$   
 $= (700 + 20 + 8) \times (2)$   
 $= (700 \times 2) + (20 \times 2) + (8 \times 2)$   
 $= 1400 + 40 + 16 = 1456$

1.  $590 \times 3$

6.  $337 \times 4$

2.  $981 \times 6$

7.  $680 \times 8$

3.  $680 \times 9$

8.  $804 \times 4$

4.  $552 \times 2$

9.  $986 \times 7$

5.  $874 \times 2$

10.  $107 \times 2$

## Distributive Property Multiplication (J) Answers

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

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

Score: \_\_\_\_\_

Use the distributive property of multiplication to calculate each product.

Ex.  $728 \times 2$

$$\begin{aligned} &= (700 + 20 + 8) \times (2) \\ &= (700 \times 2) + (20 \times 2) + (8 \times 2) \\ &= 1400 + 40 + 16 = \boxed{1456} \end{aligned}$$

1.  $590 \times 3$

$$\begin{aligned} &= (500 + 90 + 0) \times (3) \\ &= (500 \times 3) + (90 \times 3) + (0 \times 3) \\ &= 1500 + 270 + 0 = \boxed{1770} \end{aligned}$$

6.  $337 \times 4$

$$\begin{aligned} &= (300 + 30 + 7) \times (4) \\ &= (300 \times 4) + (30 \times 4) + (7 \times 4) \\ &= 1200 + 120 + 28 = \boxed{1348} \end{aligned}$$

2.  $981 \times 6$

$$\begin{aligned} &= (900 + 80 + 1) \times (6) \\ &= (900 \times 6) + (80 \times 6) + (1 \times 6) \\ &= 5400 + 480 + 6 = \boxed{5886} \end{aligned}$$

7.  $680 \times 8$

$$\begin{aligned} &= (600 + 80 + 0) \times (8) \\ &= (600 \times 8) + (80 \times 8) + (0 \times 8) \\ &= 4800 + 640 + 0 = \boxed{5440} \end{aligned}$$

3.  $680 \times 9$

$$\begin{aligned} &= (600 + 80 + 0) \times (9) \\ &= (600 \times 9) + (80 \times 9) + (0 \times 9) \\ &= 5400 + 720 + 0 = \boxed{6120} \end{aligned}$$

8.  $804 \times 4$

$$\begin{aligned} &= (800 + 0 + 4) \times (4) \\ &= (800 \times 4) + (0 \times 4) + (4 \times 4) \\ &= 3200 + 0 + 16 = \boxed{3216} \end{aligned}$$

4.  $552 \times 2$

$$\begin{aligned} &= (500 + 50 + 2) \times (2) \\ &= (500 \times 2) + (50 \times 2) + (2 \times 2) \\ &= 1000 + 100 + 4 = \boxed{1104} \end{aligned}$$

9.  $986 \times 7$

$$\begin{aligned} &= (900 + 80 + 6) \times (7) \\ &= (900 \times 7) + (80 \times 7) + (6 \times 7) \\ &= 6300 + 560 + 42 = \boxed{6902} \end{aligned}$$

5.  $874 \times 2$

$$\begin{aligned} &= (800 + 70 + 4) \times (2) \\ &= (800 \times 2) + (70 \times 2) + (4 \times 2) \\ &= 1600 + 140 + 8 = \boxed{1748} \end{aligned}$$

10.  $107 \times 2$

$$\begin{aligned} &= (100 + 0 + 7) \times (2) \\ &= (100 \times 2) + (0 \times 2) + (7 \times 2) \\ &= 200 + 0 + 14 = \boxed{214} \end{aligned}$$