

## Distributive Property Multiplication (E)

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

Use the distributive property of multiplication to calculate each product.

Ex.  $689 \times 9$   
 $= (600 + 80 + 9) \times (9)$   
 $= (600 \times 9) + (80 \times 9) + (9 \times 9)$   
 $= 5400 + 720 + 81 = \boxed{6201}$

1.  $886 \times 8$

6.  $733 \times 6$

2.  $445 \times 6$

7.  $859 \times 3$

3.  $742 \times 6$

8.  $943 \times 8$

4.  $120 \times 4$

9.  $299 \times 5$

5.  $612 \times 3$

10.  $535 \times 5$

## Distributive Property Multiplication (E) Answers

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

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

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

Use the distributive property of multiplication to calculate each product.

Ex.  $689 \times 9$

$$\begin{aligned} &= (600 + 80 + 9) \times (9) \\ &= (600 \times 9) + (80 \times 9) + (9 \times 9) \\ &= 5400 + 720 + 81 = \boxed{6201} \end{aligned}$$

1.  $886 \times 8$

$$\begin{aligned} &= (800 + 80 + 6) \times (8) \\ &= (800 \times 8) + (80 \times 8) + (6 \times 8) \\ &= 6400 + 640 + 48 = \boxed{7088} \end{aligned}$$

6.  $733 \times 6$

$$\begin{aligned} &= (700 + 30 + 3) \times (6) \\ &= (700 \times 6) + (30 \times 6) + (3 \times 6) \\ &= 4200 + 180 + 18 = \boxed{4398} \end{aligned}$$

2.  $445 \times 6$

$$\begin{aligned} &= (400 + 40 + 5) \times (6) \\ &= (400 \times 6) + (40 \times 6) + (5 \times 6) \\ &= 2400 + 240 + 30 = \boxed{2670} \end{aligned}$$

7.  $859 \times 3$

$$\begin{aligned} &= (800 + 50 + 9) \times (3) \\ &= (800 \times 3) + (50 \times 3) + (9 \times 3) \\ &= 2400 + 150 + 27 = \boxed{2577} \end{aligned}$$

3.  $742 \times 6$

$$\begin{aligned} &= (700 + 40 + 2) \times (6) \\ &= (700 \times 6) + (40 \times 6) + (2 \times 6) \\ &= 4200 + 240 + 12 = \boxed{4452} \end{aligned}$$

8.  $943 \times 8$

$$\begin{aligned} &= (900 + 40 + 3) \times (8) \\ &= (900 \times 8) + (40 \times 8) + (3 \times 8) \\ &= 7200 + 320 + 24 = \boxed{7544} \end{aligned}$$

4.  $120 \times 4$

$$\begin{aligned} &= (100 + 20 + 0) \times (4) \\ &= (100 \times 4) + (20 \times 4) + (0 \times 4) \\ &= 400 + 80 + 0 = \boxed{480} \end{aligned}$$

9.  $299 \times 5$

$$\begin{aligned} &= (200 + 90 + 9) \times (5) \\ &= (200 \times 5) + (90 \times 5) + (9 \times 5) \\ &= 1000 + 450 + 45 = \boxed{1495} \end{aligned}$$

5.  $612 \times 3$

$$\begin{aligned} &= (600 + 10 + 2) \times (3) \\ &= (600 \times 3) + (10 \times 3) + (2 \times 3) \\ &= 1800 + 30 + 6 = \boxed{1836} \end{aligned}$$

10.  $535 \times 5$

$$\begin{aligned} &= (500 + 30 + 5) \times (5) \\ &= (500 \times 5) + (30 \times 5) + (5 \times 5) \\ &= 2500 + 150 + 25 = \boxed{2675} \end{aligned}$$