

## Distributive Property Multiplication (I)

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

Use the distributive property of multiplication to calculate each product.

Ex.  $4360 \times 7$   
 $= (4000 + 300 + 60 + 0) \times (7)$   
 $= (4000 \times 7) + (300 \times 7) + (60 \times 7) + (0 \times 7)$   
 $= 28000 + 2100 + 420 + 0 = \boxed{30520}$

1.  $1814 \times 9$

2.  $6292 \times 5$

3.  $2684 \times 6$

4.  $4605 \times 4$

5.  $3906 \times 8$

## Distributive Property Multiplication (I) Answers

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

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

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

Use the distributive property of multiplication to calculate each product.

Ex.  $4360 \times 7$

$$\begin{aligned} &= (4000 + 300 + 60 + 0) \times (7) \\ &= (4000 \times 7) + (300 \times 7) + (60 \times 7) + (0 \times 7) \\ &= 28000 + 2100 + 420 + 0 = \boxed{30520} \end{aligned}$$

1.  $1814 \times 9$

$$\begin{aligned} &= (1000 + 800 + 10 + 4) \times (9) \\ &= (1000 \times 9) + (800 \times 9) + (10 \times 9) + (4 \times 9) \\ &= 9000 + 7200 + 90 + 36 = \boxed{16326} \end{aligned}$$

2.  $6292 \times 5$

$$\begin{aligned} &= (6000 + 200 + 90 + 2) \times (5) \\ &= (6000 \times 5) + (200 \times 5) + (90 \times 5) + (2 \times 5) \\ &= 30000 + 1000 + 450 + 10 = \boxed{31460} \end{aligned}$$

3.  $2684 \times 6$

$$\begin{aligned} &= (2000 + 600 + 80 + 4) \times (6) \\ &= (2000 \times 6) + (600 \times 6) + (80 \times 6) + (4 \times 6) \\ &= 12000 + 3600 + 480 + 24 = \boxed{16104} \end{aligned}$$

4.  $4605 \times 4$

$$\begin{aligned} &= (4000 + 600 + 0 + 5) \times (4) \\ &= (4000 \times 4) + (600 \times 4) + (0 \times 4) + (5 \times 4) \\ &= 16000 + 2400 + 0 + 20 = \boxed{18420} \end{aligned}$$

5.  $3906 \times 8$

$$\begin{aligned} &= (3000 + 900 + 0 + 6) \times (8) \\ &= (3000 \times 8) + (900 \times 8) + (0 \times 8) + (6 \times 8) \\ &= 24000 + 7200 + 0 + 48 = \boxed{31248} \end{aligned}$$