

Distributive Property Multiplication (I)

Name: _____ Date: _____ Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 463×5
 $= (400 + 60 + 3) \times (5)$
 $= (400 \times 5) + (60 \times 5) + (3 \times 5)$
 $= 2000 + 300 + 15 = \boxed{2315}$

1. 796×4

6. 454×8

2. 766×8

7. 964×4

3. 384×4

8. 204×6

4. 707×4

9. 943×6

5. 681×7

10. 656×7

Distributive Property Multiplication (I) Answers

Name: _____

Date: _____

Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 463×5

$$\begin{aligned} &= (400 + 60 + 3) \times (5) \\ &= (400 \times 5) + (60 \times 5) + (3 \times 5) \\ &= 2000 + 300 + 15 = \boxed{2315} \end{aligned}$$

1. 796×4

$$\begin{aligned} &= (700 + 90 + 6) \times (4) \\ &= (700 \times 4) + (90 \times 4) + (6 \times 4) \\ &= 2800 + 360 + 24 = \boxed{3184} \end{aligned}$$

6. 454×8

$$\begin{aligned} &= (400 + 50 + 4) \times (8) \\ &= (400 \times 8) + (50 \times 8) + (4 \times 8) \\ &= 3200 + 400 + 32 = \boxed{3632} \end{aligned}$$

2. 766×8

$$\begin{aligned} &= (700 + 60 + 6) \times (8) \\ &= (700 \times 8) + (60 \times 8) + (6 \times 8) \\ &= 5600 + 480 + 48 = \boxed{6128} \end{aligned}$$

7. 964×4

$$\begin{aligned} &= (900 + 60 + 4) \times (4) \\ &= (900 \times 4) + (60 \times 4) + (4 \times 4) \\ &= 3600 + 240 + 16 = \boxed{3856} \end{aligned}$$

3. 384×4

$$\begin{aligned} &= (300 + 80 + 4) \times (4) \\ &= (300 \times 4) + (80 \times 4) + (4 \times 4) \\ &= 1200 + 320 + 16 = \boxed{1536} \end{aligned}$$

8. 204×6

$$\begin{aligned} &= (200 + 0 + 4) \times (6) \\ &= (200 \times 6) + (0 \times 6) + (4 \times 6) \\ &= 1200 + 0 + 24 = \boxed{1224} \end{aligned}$$

4. 707×4

$$\begin{aligned} &= (700 + 0 + 7) \times (4) \\ &= (700 \times 4) + (0 \times 4) + (7 \times 4) \\ &= 2800 + 0 + 28 = \boxed{2828} \end{aligned}$$

9. 943×6

$$\begin{aligned} &= (900 + 40 + 3) \times (6) \\ &= (900 \times 6) + (40 \times 6) + (3 \times 6) \\ &= 5400 + 240 + 18 = \boxed{5658} \end{aligned}$$

5. 681×7

$$\begin{aligned} &= (600 + 80 + 1) \times (7) \\ &= (600 \times 7) + (80 \times 7) + (1 \times 7) \\ &= 4200 + 560 + 7 = \boxed{4767} \end{aligned}$$

10. 656×7

$$\begin{aligned} &= (600 + 50 + 6) \times (7) \\ &= (600 \times 7) + (50 \times 7) + (6 \times 7) \\ &= 4200 + 350 + 42 = \boxed{4592} \end{aligned}$$