

Distributive Property Multiplication (I)

Name: _____ Date: _____ Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 53149×3
 $= (50000 + 3000 + 100 + 40 + 9) \times (3)$
 $= (50000 \times 3) + (3000 \times 3) + (100 \times 3) + (40 \times 3) + (9 \times 3)$
 $= 150000 + 9000 + 300 + 120 + 27 = 159447$

1. 77566×4

2. 40294×3

3. 27398×6

4. 75719×8

5. 33641×8

Distributive Property Multiplication (I) Answers

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Date: _____

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Use the distributive property of multiplication to calculate each product.

Ex. 53149×3

$$\begin{aligned} &= (50000 + 3000 + 100 + 40 + 9) \times (3) \\ &= (50000 \times 3) + (3000 \times 3) + (100 \times 3) + (40 \times 3) + (9 \times 3) \\ &= 150000 + 9000 + 300 + 120 + 27 = \boxed{159447} \end{aligned}$$

1. 77566×4

$$\begin{aligned} &= (70000 + 7000 + 500 + 60 + 6) \times (4) \\ &= (70000 \times 4) + (7000 \times 4) + (500 \times 4) + (60 \times 4) + (6 \times 4) \\ &= 280000 + 28000 + 2000 + 240 + 24 = \boxed{310264} \end{aligned}$$

2. 40294×3

$$\begin{aligned} &= (40000 + 0 + 200 + 90 + 4) \times (3) \\ &= (40000 \times 3) + (0 \times 3) + (200 \times 3) + (90 \times 3) + (4 \times 3) \\ &= 120000 + 0 + 600 + 270 + 12 = \boxed{120882} \end{aligned}$$

3. 27398×6

$$\begin{aligned} &= (20000 + 7000 + 300 + 90 + 8) \times (6) \\ &= (20000 \times 6) + (7000 \times 6) + (300 \times 6) + (90 \times 6) + (8 \times 6) \\ &= 120000 + 42000 + 1800 + 540 + 48 = \boxed{164388} \end{aligned}$$

4. 75719×8

$$\begin{aligned} &= (70000 + 5000 + 700 + 10 + 9) \times (8) \\ &= (70000 \times 8) + (5000 \times 8) + (700 \times 8) + (10 \times 8) + (9 \times 8) \\ &= 560000 + 40000 + 5600 + 80 + 72 = \boxed{605752} \end{aligned}$$

5. 33641×8

$$\begin{aligned} &= (30000 + 3000 + 600 + 40 + 1) \times (8) \\ &= (30000 \times 8) + (3000 \times 8) + (600 \times 8) + (40 \times 8) + (1 \times 8) \\ &= 240000 + 24000 + 4800 + 320 + 8 = \boxed{269128} \end{aligned}$$