

Distributive Property Multiplication (G)

Name: _____ Date: _____ Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 38937×6
 $= (30000 + 8000 + 900 + 30 + 7) \times (6)$
 $= (30000 \times 6) + (8000 \times 6) + (900 \times 6) + (30 \times 6) + (7 \times 6)$
 $= 180000 + 48000 + 5400 + 180 + 42 = 233622$

1. 47745×7

2. 38143×4

3. 34210×5

4. 60641×5

5. 50071×4

Distributive Property Multiplication (G) Answers

Name: _____

Date: _____

Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 38937×6

$$\begin{aligned} &= (30000 + 8000 + 900 + 30 + 7) \times (6) \\ &= (30000 \times 6) + (8000 \times 6) + (900 \times 6) + (30 \times 6) + (7 \times 6) \\ &= 180000 + 48000 + 5400 + 180 + 42 = \boxed{233622} \end{aligned}$$

1. 47745×7

$$\begin{aligned} &= (40000 + 7000 + 700 + 40 + 5) \times (7) \\ &= (40000 \times 7) + (7000 \times 7) + (700 \times 7) + (40 \times 7) + (5 \times 7) \\ &= 280000 + 49000 + 4900 + 280 + 35 = \boxed{334215} \end{aligned}$$

2. 38143×4

$$\begin{aligned} &= (30000 + 8000 + 100 + 40 + 3) \times (4) \\ &= (30000 \times 4) + (8000 \times 4) + (100 \times 4) + (40 \times 4) + (3 \times 4) \\ &= 120000 + 32000 + 400 + 160 + 12 = \boxed{152572} \end{aligned}$$

3. 34210×5

$$\begin{aligned} &= (30000 + 4000 + 200 + 10 + 0) \times (5) \\ &= (30000 \times 5) + (4000 \times 5) + (200 \times 5) + (10 \times 5) + (0 \times 5) \\ &= 150000 + 20000 + 1000 + 50 + 0 = \boxed{171050} \end{aligned}$$

4. 60641×5

$$\begin{aligned} &= (60000 + 0 + 600 + 40 + 1) \times (5) \\ &= (60000 \times 5) + (0 \times 5) + (600 \times 5) + (40 \times 5) + (1 \times 5) \\ &= 300000 + 0 + 3000 + 200 + 5 = \boxed{303205} \end{aligned}$$

5. 50071×4

$$\begin{aligned} &= (50000 + 0 + 0 + 70 + 1) \times (4) \\ &= (50000 \times 4) + (0 \times 4) + (0 \times 4) + (70 \times 4) + (1 \times 4) \\ &= 200000 + 0 + 0 + 280 + 4 = \boxed{200284} \end{aligned}$$