

Distributive Property Multiplication (D)

Name: _____ Date: _____ Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 153×7
 $= (100 + 50 + 3) \times (7)$
 $= (100 \times 7) + (50 \times 7) + (3 \times 7)$
 $= 700 + 350 + 21 = \boxed{1071}$

1. 721×4

6. 275×2

2. 616×8

7. 253×4

3. 238×8

8. 275×9

4. 349×3

9. 818×5

5. 867×4

10. 231×7

Distributive Property Multiplication (D) Answers

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Date: _____

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Use the distributive property of multiplication to calculate each product.

Ex. 153×7

$$\begin{aligned} &= (100 + 50 + 3) \times (7) \\ &= (100 \times 7) + (50 \times 7) + (3 \times 7) \\ &= 700 + 350 + 21 = \boxed{1071} \end{aligned}$$

1. 721×4

$$\begin{aligned} &= (700 + 20 + 1) \times (4) \\ &= (700 \times 4) + (20 \times 4) + (1 \times 4) \\ &= 2800 + 80 + 4 = \boxed{2884} \end{aligned}$$

6. 275×2

$$\begin{aligned} &= (200 + 70 + 5) \times (2) \\ &= (200 \times 2) + (70 \times 2) + (5 \times 2) \\ &= 400 + 140 + 10 = \boxed{550} \end{aligned}$$

2. 616×8

$$\begin{aligned} &= (600 + 10 + 6) \times (8) \\ &= (600 \times 8) + (10 \times 8) + (6 \times 8) \\ &= 4800 + 80 + 48 = \boxed{4928} \end{aligned}$$

7. 253×4

$$\begin{aligned} &= (200 + 50 + 3) \times (4) \\ &= (200 \times 4) + (50 \times 4) + (3 \times 4) \\ &= 800 + 200 + 12 = \boxed{1012} \end{aligned}$$

3. 238×8

$$\begin{aligned} &= (200 + 30 + 8) \times (8) \\ &= (200 \times 8) + (30 \times 8) + (8 \times 8) \\ &= 1600 + 240 + 64 = \boxed{1904} \end{aligned}$$

8. 275×9

$$\begin{aligned} &= (200 + 70 + 5) \times (9) \\ &= (200 \times 9) + (70 \times 9) + (5 \times 9) \\ &= 1800 + 630 + 45 = \boxed{2475} \end{aligned}$$

4. 349×3

$$\begin{aligned} &= (300 + 40 + 9) \times (3) \\ &= (300 \times 3) + (40 \times 3) + (9 \times 3) \\ &= 900 + 120 + 27 = \boxed{1047} \end{aligned}$$

9. 818×5

$$\begin{aligned} &= (800 + 10 + 8) \times (5) \\ &= (800 \times 5) + (10 \times 5) + (8 \times 5) \\ &= 4000 + 50 + 40 = \boxed{4090} \end{aligned}$$

5. 867×4

$$\begin{aligned} &= (800 + 60 + 7) \times (4) \\ &= (800 \times 4) + (60 \times 4) + (7 \times 4) \\ &= 3200 + 240 + 28 = \boxed{3468} \end{aligned}$$

10. 231×7

$$\begin{aligned} &= (200 + 30 + 1) \times (7) \\ &= (200 \times 7) + (30 \times 7) + (1 \times 7) \\ &= 1400 + 210 + 7 = \boxed{1617} \end{aligned}$$