

Distributive Property Multiplication (C)

Name: _____ Date: _____ Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 611×3
 $= (600 + 10 + 1) \times (3)$
 $= (600 \times 3) + (10 \times 3) + (1 \times 3)$
 $= 1800 + 30 + 3 = \boxed{1833}$

1. 537×8

6. 799×4

2. 665×6

7. 676×9

3. 935×2

8. 583×7

4. 959×9

9. 260×3

5. 594×7

10. 172×9

Distributive Property Multiplication (C) Answers

Name: _____

Date: _____

Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 611×3

$$\begin{aligned} &= (600 + 10 + 1) \times (3) \\ &= (600 \times 3) + (10 \times 3) + (1 \times 3) \\ &= 1800 + 30 + 3 = \boxed{1833} \end{aligned}$$

1. 537×8

$$\begin{aligned} &= (500 + 30 + 7) \times (8) \\ &= (500 \times 8) + (30 \times 8) + (7 \times 8) \\ &= 4000 + 240 + 56 = \boxed{4296} \end{aligned}$$

6. 799×4

$$\begin{aligned} &= (700 + 90 + 9) \times (4) \\ &= (700 \times 4) + (90 \times 4) + (9 \times 4) \\ &= 2800 + 360 + 36 = \boxed{3196} \end{aligned}$$

2. 665×6

$$\begin{aligned} &= (600 + 60 + 5) \times (6) \\ &= (600 \times 6) + (60 \times 6) + (5 \times 6) \\ &= 3600 + 360 + 30 = \boxed{3990} \end{aligned}$$

7. 676×9

$$\begin{aligned} &= (600 + 70 + 6) \times (9) \\ &= (600 \times 9) + (70 \times 9) + (6 \times 9) \\ &= 5400 + 630 + 54 = \boxed{6084} \end{aligned}$$

3. 935×2

$$\begin{aligned} &= (900 + 30 + 5) \times (2) \\ &= (900 \times 2) + (30 \times 2) + (5 \times 2) \\ &= 1800 + 60 + 10 = \boxed{1870} \end{aligned}$$

8. 583×7

$$\begin{aligned} &= (500 + 80 + 3) \times (7) \\ &= (500 \times 7) + (80 \times 7) + (3 \times 7) \\ &= 3500 + 560 + 21 = \boxed{4081} \end{aligned}$$

4. 959×9

$$\begin{aligned} &= (900 + 50 + 9) \times (9) \\ &= (900 \times 9) + (50 \times 9) + (9 \times 9) \\ &= 8100 + 450 + 81 = \boxed{8631} \end{aligned}$$

9. 260×3

$$\begin{aligned} &= (200 + 60 + 0) \times (3) \\ &= (200 \times 3) + (60 \times 3) + (0 \times 3) \\ &= 600 + 180 + 0 = \boxed{780} \end{aligned}$$

5. 594×7

$$\begin{aligned} &= (500 + 90 + 4) \times (7) \\ &= (500 \times 7) + (90 \times 7) + (4 \times 7) \\ &= 3500 + 630 + 28 = \boxed{4158} \end{aligned}$$

10. 172×9

$$\begin{aligned} &= (100 + 70 + 2) \times (9) \\ &= (100 \times 9) + (70 \times 9) + (2 \times 9) \\ &= 900 + 630 + 18 = \boxed{1548} \end{aligned}$$