

Distributive Property Multiplication (A)

Name: _____ Date: _____ Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 835×2
 $= (800 + 30 + 5) \times (2)$
 $= (800 \times 2) + (30 \times 2) + (5 \times 2)$
 $= 1600 + 60 + 10 = \boxed{1670}$

1. 508×8

6. 994×8

2. 815×7

7. 118×3

3. 717×7

8. 804×4

4. 576×8

9. 959×4

5. 751×6

10. 885×2

Distributive Property Multiplication (A) Answers

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Use the distributive property of multiplication to calculate each product.

Ex. 835×2

$$\begin{aligned} &= (800 + 30 + 5) \times (2) \\ &= (800 \times 2) + (30 \times 2) + (5 \times 2) \\ &= 1600 + 60 + 10 = \boxed{1670} \end{aligned}$$

1. 508×8

$$\begin{aligned} &= (500 + 0 + 8) \times (8) \\ &= (500 \times 8) + (0 \times 8) + (8 \times 8) \\ &= 4000 + 0 + 64 = \boxed{4064} \end{aligned}$$

6. 994×8

$$\begin{aligned} &= (900 + 90 + 4) \times (8) \\ &= (900 \times 8) + (90 \times 8) + (4 \times 8) \\ &= 7200 + 720 + 32 = \boxed{7952} \end{aligned}$$

2. 815×7

$$\begin{aligned} &= (800 + 10 + 5) \times (7) \\ &= (800 \times 7) + (10 \times 7) + (5 \times 7) \\ &= 5600 + 70 + 35 = \boxed{5705} \end{aligned}$$

7. 118×3

$$\begin{aligned} &= (100 + 10 + 8) \times (3) \\ &= (100 \times 3) + (10 \times 3) + (8 \times 3) \\ &= 300 + 30 + 24 = \boxed{354} \end{aligned}$$

3. 717×7

$$\begin{aligned} &= (700 + 10 + 7) \times (7) \\ &= (700 \times 7) + (10 \times 7) + (7 \times 7) \\ &= 4900 + 70 + 49 = \boxed{5019} \end{aligned}$$

8. 804×4

$$\begin{aligned} &= (800 + 0 + 4) \times (4) \\ &= (800 \times 4) + (0 \times 4) + (4 \times 4) \\ &= 3200 + 0 + 16 = \boxed{3216} \end{aligned}$$

4. 576×8

$$\begin{aligned} &= (500 + 70 + 6) \times (8) \\ &= (500 \times 8) + (70 \times 8) + (6 \times 8) \\ &= 4000 + 560 + 48 = \boxed{4608} \end{aligned}$$

9. 959×4

$$\begin{aligned} &= (900 + 50 + 9) \times (4) \\ &= (900 \times 4) + (50 \times 4) + (9 \times 4) \\ &= 3600 + 200 + 36 = \boxed{3836} \end{aligned}$$

5. 751×6

$$\begin{aligned} &= (700 + 50 + 1) \times (6) \\ &= (700 \times 6) + (50 \times 6) + (1 \times 6) \\ &= 4200 + 300 + 6 = \boxed{4506} \end{aligned}$$

10. 885×2

$$\begin{aligned} &= (800 + 80 + 5) \times (2) \\ &= (800 \times 2) + (80 \times 2) + (5 \times 2) \\ &= 1600 + 160 + 10 = \boxed{1770} \end{aligned}$$