

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

Name: _____

Date: _____

Score: _____

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

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

Distributive Property Multiplication (B)

Name: _____

Date: _____

Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 125×2
 $= (100 + 20 + 5) \times (2)$
 $= (100 \times 2) + (20 \times 2) + (5 \times 2)$
 $= 200 + 40 + 10 = \boxed{250}$

1. 447×6

6. 437×7

2. 322×4

7. 695×8

3. 480×3

8. 520×9

4. 776×7

9. 228×9

5. 113×7

10. 998×9

Distributive Property Multiplication (B) Answers

Name: _____

Date: _____

Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 125×2

$$\begin{aligned} &= (100 + 20 + 5) \times (2) \\ &= (100 \times 2) + (20 \times 2) + (5 \times 2) \\ &= 200 + 40 + 10 = \boxed{250} \end{aligned}$$

1. 447×6

$$\begin{aligned} &= (400 + 40 + 7) \times (6) \\ &= (400 \times 6) + (40 \times 6) + (7 \times 6) \\ &= 2400 + 240 + 42 = \boxed{2682} \end{aligned}$$

6. 437×7

$$\begin{aligned} &= (400 + 30 + 7) \times (7) \\ &= (400 \times 7) + (30 \times 7) + (7 \times 7) \\ &= 2800 + 210 + 49 = \boxed{3059} \end{aligned}$$

2. 322×4

$$\begin{aligned} &= (300 + 20 + 2) \times (4) \\ &= (300 \times 4) + (20 \times 4) + (2 \times 4) \\ &= 1200 + 80 + 8 = \boxed{1288} \end{aligned}$$

7. 695×8

$$\begin{aligned} &= (600 + 90 + 5) \times (8) \\ &= (600 \times 8) + (90 \times 8) + (5 \times 8) \\ &= 4800 + 720 + 40 = \boxed{5560} \end{aligned}$$

3. 480×3

$$\begin{aligned} &= (400 + 80 + 0) \times (3) \\ &= (400 \times 3) + (80 \times 3) + (0 \times 3) \\ &= 1200 + 240 + 0 = \boxed{1440} \end{aligned}$$

8. 520×9

$$\begin{aligned} &= (500 + 20 + 0) \times (9) \\ &= (500 \times 9) + (20 \times 9) + (0 \times 9) \\ &= 4500 + 180 + 0 = \boxed{4680} \end{aligned}$$

4. 776×7

$$\begin{aligned} &= (700 + 70 + 6) \times (7) \\ &= (700 \times 7) + (70 \times 7) + (6 \times 7) \\ &= 4900 + 490 + 42 = \boxed{5432} \end{aligned}$$

9. 228×9

$$\begin{aligned} &= (200 + 20 + 8) \times (9) \\ &= (200 \times 9) + (20 \times 9) + (8 \times 9) \\ &= 1800 + 180 + 72 = \boxed{2052} \end{aligned}$$

5. 113×7

$$\begin{aligned} &= (100 + 10 + 3) \times (7) \\ &= (100 \times 7) + (10 \times 7) + (3 \times 7) \\ &= 700 + 70 + 21 = \boxed{791} \end{aligned}$$

10. 998×9

$$\begin{aligned} &= (900 + 90 + 8) \times (9) \\ &= (900 \times 9) + (90 \times 9) + (8 \times 9) \\ &= 8100 + 810 + 72 = \boxed{8982} \end{aligned}$$

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

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

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

Name: _____

Date: _____

Score: _____

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

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

Distributive Property Multiplication (E)

Name: _____

Date: _____

Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 689×9
 $= (600 + 80 + 9) \times (9)$
 $= (600 \times 9) + (80 \times 9) + (9 \times 9)$
 $= 5400 + 720 + 81 = \boxed{6201}$

1. 886×8

6. 733×6

2. 445×6

7. 859×3

3. 742×6

8. 943×8

4. 120×4

9. 299×5

5. 612×3

10. 535×5

Distributive Property Multiplication (E) Answers

Name: _____

Date: _____

Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 689×9

$$\begin{aligned} &= (600 + 80 + 9) \times (9) \\ &= (600 \times 9) + (80 \times 9) + (9 \times 9) \\ &= 5400 + 720 + 81 = \boxed{6201} \end{aligned}$$

1. 886×8

$$\begin{aligned} &= (800 + 80 + 6) \times (8) \\ &= (800 \times 8) + (80 \times 8) + (6 \times 8) \\ &= 6400 + 640 + 48 = \boxed{7088} \end{aligned}$$

6. 733×6

$$\begin{aligned} &= (700 + 30 + 3) \times (6) \\ &= (700 \times 6) + (30 \times 6) + (3 \times 6) \\ &= 4200 + 180 + 18 = \boxed{4398} \end{aligned}$$

2. 445×6

$$\begin{aligned} &= (400 + 40 + 5) \times (6) \\ &= (400 \times 6) + (40 \times 6) + (5 \times 6) \\ &= 2400 + 240 + 30 = \boxed{2670} \end{aligned}$$

7. 859×3

$$\begin{aligned} &= (800 + 50 + 9) \times (3) \\ &= (800 \times 3) + (50 \times 3) + (9 \times 3) \\ &= 2400 + 150 + 27 = \boxed{2577} \end{aligned}$$

3. 742×6

$$\begin{aligned} &= (700 + 40 + 2) \times (6) \\ &= (700 \times 6) + (40 \times 6) + (2 \times 6) \\ &= 4200 + 240 + 12 = \boxed{4452} \end{aligned}$$

8. 943×8

$$\begin{aligned} &= (900 + 40 + 3) \times (8) \\ &= (900 \times 8) + (40 \times 8) + (3 \times 8) \\ &= 7200 + 320 + 24 = \boxed{7544} \end{aligned}$$

4. 120×4

$$\begin{aligned} &= (100 + 20 + 0) \times (4) \\ &= (100 \times 4) + (20 \times 4) + (0 \times 4) \\ &= 400 + 80 + 0 = \boxed{480} \end{aligned}$$

9. 299×5

$$\begin{aligned} &= (200 + 90 + 9) \times (5) \\ &= (200 \times 5) + (90 \times 5) + (9 \times 5) \\ &= 1000 + 450 + 45 = \boxed{1495} \end{aligned}$$

5. 612×3

$$\begin{aligned} &= (600 + 10 + 2) \times (3) \\ &= (600 \times 3) + (10 \times 3) + (2 \times 3) \\ &= 1800 + 30 + 6 = \boxed{1836} \end{aligned}$$

10. 535×5

$$\begin{aligned} &= (500 + 30 + 5) \times (5) \\ &= (500 \times 5) + (30 \times 5) + (5 \times 5) \\ &= 2500 + 150 + 25 = \boxed{2675} \end{aligned}$$

Distributive Property Multiplication (F)

Name: _____ Date: _____ Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 345×6
 $= (300 + 40 + 5) \times (6)$
 $= (300 \times 6) + (40 \times 6) + (5 \times 6)$
 $= 1800 + 240 + 30 = \boxed{2070}$

1. 800×5

6. 248×7

2. 874×3

7. 611×6

3. 157×4

8. 562×3

4. 377×6

9. 689×2

5. 154×8

10. 797×7

Distributive Property Multiplication (F) Answers

Name: _____

Date: _____

Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 345×6

$$\begin{aligned} &= (300 + 40 + 5) \times (6) \\ &= (300 \times 6) + (40 \times 6) + (5 \times 6) \\ &= 1800 + 240 + 30 = \boxed{2070} \end{aligned}$$

1. 800×5

$$\begin{aligned} &= (800 + 0 + 0) \times (5) \\ &= (800 \times 5) + (0 \times 5) + (0 \times 5) \\ &= 4000 + 0 + 0 = \boxed{4000} \end{aligned}$$

6. 248×7

$$\begin{aligned} &= (200 + 40 + 8) \times (7) \\ &= (200 \times 7) + (40 \times 7) + (8 \times 7) \\ &= 1400 + 280 + 56 = \boxed{1736} \end{aligned}$$

2. 874×3

$$\begin{aligned} &= (800 + 70 + 4) \times (3) \\ &= (800 \times 3) + (70 \times 3) + (4 \times 3) \\ &= 2400 + 210 + 12 = \boxed{2622} \end{aligned}$$

7. 611×6

$$\begin{aligned} &= (600 + 10 + 1) \times (6) \\ &= (600 \times 6) + (10 \times 6) + (1 \times 6) \\ &= 3600 + 60 + 6 = \boxed{3666} \end{aligned}$$

3. 157×4

$$\begin{aligned} &= (100 + 50 + 7) \times (4) \\ &= (100 \times 4) + (50 \times 4) + (7 \times 4) \\ &= 400 + 200 + 28 = \boxed{628} \end{aligned}$$

8. 562×3

$$\begin{aligned} &= (500 + 60 + 2) \times (3) \\ &= (500 \times 3) + (60 \times 3) + (2 \times 3) \\ &= 1500 + 180 + 6 = \boxed{1686} \end{aligned}$$

4. 377×6

$$\begin{aligned} &= (300 + 70 + 7) \times (6) \\ &= (300 \times 6) + (70 \times 6) + (7 \times 6) \\ &= 1800 + 420 + 42 = \boxed{2262} \end{aligned}$$

9. 689×2

$$\begin{aligned} &= (600 + 80 + 9) \times (2) \\ &= (600 \times 2) + (80 \times 2) + (9 \times 2) \\ &= 1200 + 160 + 18 = \boxed{1378} \end{aligned}$$

5. 154×8

$$\begin{aligned} &= (100 + 50 + 4) \times (8) \\ &= (100 \times 8) + (50 \times 8) + (4 \times 8) \\ &= 800 + 400 + 32 = \boxed{1232} \end{aligned}$$

10. 797×7

$$\begin{aligned} &= (700 + 90 + 7) \times (7) \\ &= (700 \times 7) + (90 \times 7) + (7 \times 7) \\ &= 4900 + 630 + 49 = \boxed{5579} \end{aligned}$$

Distributive Property Multiplication (G)

Name: _____ Date: _____ Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 564×5
 $= (500 + 60 + 4) \times (5)$
 $= (500 \times 5) + (60 \times 5) + (4 \times 5)$
 $= 2500 + 300 + 20 = \boxed{2820}$

1. 265×3

6. 640×4

2. 112×3

7. 663×3

3. 399×9

8. 635×3

4. 838×5

9. 109×5

5. 856×5

10. 862×5

Distributive Property Multiplication (G) Answers

Name: _____

Date: _____

Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 564×5

$$\begin{aligned} &= (500 + 60 + 4) \times (5) \\ &= (500 \times 5) + (60 \times 5) + (4 \times 5) \\ &= 2500 + 300 + 20 = \boxed{2820} \end{aligned}$$

1. 265×3

$$\begin{aligned} &= (200 + 60 + 5) \times (3) \\ &= (200 \times 3) + (60 \times 3) + (5 \times 3) \\ &= 600 + 180 + 15 = \boxed{795} \end{aligned}$$

6. 640×4

$$\begin{aligned} &= (600 + 40 + 0) \times (4) \\ &= (600 \times 4) + (40 \times 4) + (0 \times 4) \\ &= 2400 + 160 + 0 = \boxed{2560} \end{aligned}$$

2. 112×3

$$\begin{aligned} &= (100 + 10 + 2) \times (3) \\ &= (100 \times 3) + (10 \times 3) + (2 \times 3) \\ &= 300 + 30 + 6 = \boxed{336} \end{aligned}$$

7. 663×3

$$\begin{aligned} &= (600 + 60 + 3) \times (3) \\ &= (600 \times 3) + (60 \times 3) + (3 \times 3) \\ &= 1800 + 180 + 9 = \boxed{1989} \end{aligned}$$

3. 399×9

$$\begin{aligned} &= (300 + 90 + 9) \times (9) \\ &= (300 \times 9) + (90 \times 9) + (9 \times 9) \\ &= 2700 + 810 + 81 = \boxed{3591} \end{aligned}$$

8. 635×3

$$\begin{aligned} &= (600 + 30 + 5) \times (3) \\ &= (600 \times 3) + (30 \times 3) + (5 \times 3) \\ &= 1800 + 90 + 15 = \boxed{1905} \end{aligned}$$

4. 838×5

$$\begin{aligned} &= (800 + 30 + 8) \times (5) \\ &= (800 \times 5) + (30 \times 5) + (8 \times 5) \\ &= 4000 + 150 + 40 = \boxed{4190} \end{aligned}$$

9. 109×5

$$\begin{aligned} &= (100 + 0 + 9) \times (5) \\ &= (100 \times 5) + (0 \times 5) + (9 \times 5) \\ &= 500 + 0 + 45 = \boxed{545} \end{aligned}$$

5. 856×5

$$\begin{aligned} &= (800 + 50 + 6) \times (5) \\ &= (800 \times 5) + (50 \times 5) + (6 \times 5) \\ &= 4000 + 250 + 30 = \boxed{4280} \end{aligned}$$

10. 862×5

$$\begin{aligned} &= (800 + 60 + 2) \times (5) \\ &= (800 \times 5) + (60 \times 5) + (2 \times 5) \\ &= 4000 + 300 + 10 = \boxed{4310} \end{aligned}$$

Distributive Property Multiplication (H)

Name: _____

Date: _____

Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 268×7
 $= (200 + 60 + 8) \times (7)$
 $= (200 \times 7) + (60 \times 7) + (8 \times 7)$
 $= 1400 + 420 + 56 = \boxed{1876}$

1. 716×8

6. 908×4

2. 982×3

7. 541×2

3. 743×2

8. 908×6

4. 298×6

9. 542×6

5. 936×4

10. 135×4

Distributive Property Multiplication (H) Answers

Name: _____

Date: _____

Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 268×7

$$\begin{aligned} &= (200 + 60 + 8) \times (7) \\ &= (200 \times 7) + (60 \times 7) + (8 \times 7) \\ &= 1400 + 420 + 56 = \boxed{1876} \end{aligned}$$

1. 716×8

$$\begin{aligned} &= (700 + 10 + 6) \times (8) \\ &= (700 \times 8) + (10 \times 8) + (6 \times 8) \\ &= 5600 + 80 + 48 = \boxed{5728} \end{aligned}$$

6. 908×4

$$\begin{aligned} &= (900 + 0 + 8) \times (4) \\ &= (900 \times 4) + (0 \times 4) + (8 \times 4) \\ &= 3600 + 0 + 32 = \boxed{3632} \end{aligned}$$

2. 982×3

$$\begin{aligned} &= (900 + 80 + 2) \times (3) \\ &= (900 \times 3) + (80 \times 3) + (2 \times 3) \\ &= 2700 + 240 + 6 = \boxed{2946} \end{aligned}$$

7. 541×2

$$\begin{aligned} &= (500 + 40 + 1) \times (2) \\ &= (500 \times 2) + (40 \times 2) + (1 \times 2) \\ &= 1000 + 80 + 2 = \boxed{1082} \end{aligned}$$

3. 743×2

$$\begin{aligned} &= (700 + 40 + 3) \times (2) \\ &= (700 \times 2) + (40 \times 2) + (3 \times 2) \\ &= 1400 + 80 + 6 = \boxed{1486} \end{aligned}$$

8. 908×6

$$\begin{aligned} &= (900 + 0 + 8) \times (6) \\ &= (900 \times 6) + (0 \times 6) + (8 \times 6) \\ &= 5400 + 0 + 48 = \boxed{5448} \end{aligned}$$

4. 298×6

$$\begin{aligned} &= (200 + 90 + 8) \times (6) \\ &= (200 \times 6) + (90 \times 6) + (8 \times 6) \\ &= 1200 + 540 + 48 = \boxed{1788} \end{aligned}$$

9. 542×6

$$\begin{aligned} &= (500 + 40 + 2) \times (6) \\ &= (500 \times 6) + (40 \times 6) + (2 \times 6) \\ &= 3000 + 240 + 12 = \boxed{3252} \end{aligned}$$

5. 936×4

$$\begin{aligned} &= (900 + 30 + 6) \times (4) \\ &= (900 \times 4) + (30 \times 4) + (6 \times 4) \\ &= 3600 + 120 + 24 = \boxed{3744} \end{aligned}$$

10. 135×4

$$\begin{aligned} &= (100 + 30 + 5) \times (4) \\ &= (100 \times 4) + (30 \times 4) + (5 \times 4) \\ &= 400 + 120 + 20 = \boxed{540} \end{aligned}$$

Distributive Property Multiplication (I)

Name: _____ Date: _____ Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 463×5
 $= (400 + 60 + 3) \times (5)$
 $= (400 \times 5) + (60 \times 5) + (3 \times 5)$
 $= 2000 + 300 + 15 = \boxed{2315}$

1. 796×4

6. 454×8

2. 766×8

7. 964×4

3. 384×4

8. 204×6

4. 707×4

9. 943×6

5. 681×7

10. 656×7

Distributive Property Multiplication (I) Answers

Name: _____

Date: _____

Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 463×5

$$\begin{aligned} &= (400 + 60 + 3) \times (5) \\ &= (400 \times 5) + (60 \times 5) + (3 \times 5) \\ &= 2000 + 300 + 15 = \boxed{2315} \end{aligned}$$

1. 796×4

$$\begin{aligned} &= (700 + 90 + 6) \times (4) \\ &= (700 \times 4) + (90 \times 4) + (6 \times 4) \\ &= 2800 + 360 + 24 = \boxed{3184} \end{aligned}$$

6. 454×8

$$\begin{aligned} &= (400 + 50 + 4) \times (8) \\ &= (400 \times 8) + (50 \times 8) + (4 \times 8) \\ &= 3200 + 400 + 32 = \boxed{3632} \end{aligned}$$

2. 766×8

$$\begin{aligned} &= (700 + 60 + 6) \times (8) \\ &= (700 \times 8) + (60 \times 8) + (6 \times 8) \\ &= 5600 + 480 + 48 = \boxed{6128} \end{aligned}$$

7. 964×4

$$\begin{aligned} &= (900 + 60 + 4) \times (4) \\ &= (900 \times 4) + (60 \times 4) + (4 \times 4) \\ &= 3600 + 240 + 16 = \boxed{3856} \end{aligned}$$

3. 384×4

$$\begin{aligned} &= (300 + 80 + 4) \times (4) \\ &= (300 \times 4) + (80 \times 4) + (4 \times 4) \\ &= 1200 + 320 + 16 = \boxed{1536} \end{aligned}$$

8. 204×6

$$\begin{aligned} &= (200 + 0 + 4) \times (6) \\ &= (200 \times 6) + (0 \times 6) + (4 \times 6) \\ &= 1200 + 0 + 24 = \boxed{1224} \end{aligned}$$

4. 707×4

$$\begin{aligned} &= (700 + 0 + 7) \times (4) \\ &= (700 \times 4) + (0 \times 4) + (7 \times 4) \\ &= 2800 + 0 + 28 = \boxed{2828} \end{aligned}$$

9. 943×6

$$\begin{aligned} &= (900 + 40 + 3) \times (6) \\ &= (900 \times 6) + (40 \times 6) + (3 \times 6) \\ &= 5400 + 240 + 18 = \boxed{5658} \end{aligned}$$

5. 681×7

$$\begin{aligned} &= (600 + 80 + 1) \times (7) \\ &= (600 \times 7) + (80 \times 7) + (1 \times 7) \\ &= 4200 + 560 + 7 = \boxed{4767} \end{aligned}$$

10. 656×7

$$\begin{aligned} &= (600 + 50 + 6) \times (7) \\ &= (600 \times 7) + (50 \times 7) + (6 \times 7) \\ &= 4200 + 350 + 42 = \boxed{4592} \end{aligned}$$

Distributive Property Multiplication (J)

Name: _____ Date: _____ Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 728×2
 $= (700 + 20 + 8) \times (2)$
 $= (700 \times 2) + (20 \times 2) + (8 \times 2)$
 $= 1400 + 40 + 16 = 1456$

1. 590×3

6. 337×4

2. 981×6

7. 680×8

3. 680×9

8. 804×4

4. 552×2

9. 986×7

5. 874×2

10. 107×2

Distributive Property Multiplication (J) Answers

Name: _____

Date: _____

Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 728×2

$$\begin{aligned} &= (700 + 20 + 8) \times (2) \\ &= (700 \times 2) + (20 \times 2) + (8 \times 2) \\ &= 1400 + 40 + 16 = \boxed{1456} \end{aligned}$$

1. 590×3

$$\begin{aligned} &= (500 + 90 + 0) \times (3) \\ &= (500 \times 3) + (90 \times 3) + (0 \times 3) \\ &= 1500 + 270 + 0 = \boxed{1770} \end{aligned}$$

6. 337×4

$$\begin{aligned} &= (300 + 30 + 7) \times (4) \\ &= (300 \times 4) + (30 \times 4) + (7 \times 4) \\ &= 1200 + 120 + 28 = \boxed{1348} \end{aligned}$$

2. 981×6

$$\begin{aligned} &= (900 + 80 + 1) \times (6) \\ &= (900 \times 6) + (80 \times 6) + (1 \times 6) \\ &= 5400 + 480 + 6 = \boxed{5886} \end{aligned}$$

7. 680×8

$$\begin{aligned} &= (600 + 80 + 0) \times (8) \\ &= (600 \times 8) + (80 \times 8) + (0 \times 8) \\ &= 4800 + 640 + 0 = \boxed{5440} \end{aligned}$$

3. 680×9

$$\begin{aligned} &= (600 + 80 + 0) \times (9) \\ &= (600 \times 9) + (80 \times 9) + (0 \times 9) \\ &= 5400 + 720 + 0 = \boxed{6120} \end{aligned}$$

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. 552×2

$$\begin{aligned} &= (500 + 50 + 2) \times (2) \\ &= (500 \times 2) + (50 \times 2) + (2 \times 2) \\ &= 1000 + 100 + 4 = \boxed{1104} \end{aligned}$$

9. 986×7

$$\begin{aligned} &= (900 + 80 + 6) \times (7) \\ &= (900 \times 7) + (80 \times 7) + (6 \times 7) \\ &= 6300 + 560 + 42 = \boxed{6902} \end{aligned}$$

5. 874×2

$$\begin{aligned} &= (800 + 70 + 4) \times (2) \\ &= (800 \times 2) + (70 \times 2) + (4 \times 2) \\ &= 1600 + 140 + 8 = \boxed{1748} \end{aligned}$$

10. 107×2

$$\begin{aligned} &= (100 + 0 + 7) \times (2) \\ &= (100 \times 2) + (0 \times 2) + (7 \times 2) \\ &= 200 + 0 + 14 = \boxed{214} \end{aligned}$$