

Distributive Property Multiplication (A)

Name: _____ Date: _____ Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 7160×3
 $= (7000 + 100 + 60 + 0) \times (3)$
 $= (7000 \times 3) + (100 \times 3) + (60 \times 3) + (0 \times 3)$
 $= 21000 + 300 + 180 + 0 = \boxed{21480}$

1. 7607×7

2. 3351×4

3. 6753×8

4. 8758×9

5. 1411×8

Distributive Property Multiplication (A) Answers

Name: _____

Date: _____

Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 7160×3

$$\begin{aligned} &= (7000 + 100 + 60 + 0) \times (3) \\ &= (7000 \times 3) + (100 \times 3) + (60 \times 3) + (0 \times 3) \\ &= 21000 + 300 + 180 + 0 = \boxed{21480} \end{aligned}$$

1. 7607×7

$$\begin{aligned} &= (7000 + 600 + 0 + 7) \times (7) \\ &= (7000 \times 7) + (600 \times 7) + (0 \times 7) + (7 \times 7) \\ &= 49000 + 4200 + 0 + 49 = \boxed{53249} \end{aligned}$$

2. 3351×4

$$\begin{aligned} &= (3000 + 300 + 50 + 1) \times (4) \\ &= (3000 \times 4) + (300 \times 4) + (50 \times 4) + (1 \times 4) \\ &= 12000 + 1200 + 200 + 4 = \boxed{13404} \end{aligned}$$

3. 6753×8

$$\begin{aligned} &= (6000 + 700 + 50 + 3) \times (8) \\ &= (6000 \times 8) + (700 \times 8) + (50 \times 8) + (3 \times 8) \\ &= 48000 + 5600 + 400 + 24 = \boxed{54024} \end{aligned}$$

4. 8758×9

$$\begin{aligned} &= (8000 + 700 + 50 + 8) \times (9) \\ &= (8000 \times 9) + (700 \times 9) + (50 \times 9) + (8 \times 9) \\ &= 72000 + 6300 + 450 + 72 = \boxed{78822} \end{aligned}$$

5. 1411×8

$$\begin{aligned} &= (1000 + 400 + 10 + 1) \times (8) \\ &= (1000 \times 8) + (400 \times 8) + (10 \times 8) + (1 \times 8) \\ &= 8000 + 3200 + 80 + 8 = \boxed{11288} \end{aligned}$$

Distributive Property Multiplication (B)

Name: _____ Date: _____ Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 7086×3
 $= (7000 + 0 + 80 + 6) \times (3)$
 $= (7000 \times 3) + (0 \times 3) + (80 \times 3) + (6 \times 3)$
 $= 21000 + 0 + 240 + 18 = \boxed{21258}$

1. 5222×9

2. 3107×5

3. 1343×6

4. 6441×5

5. 2694×2

Distributive Property Multiplication (B) Answers

Name: _____

Date: _____

Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 7086×3

$$= (7000 + 0 + 80 + 6) \times (3)$$

$$= (7000 \times 3) + (0 \times 3) + (80 \times 3) + (6 \times 3)$$

$$= 21000 + 0 + 240 + 18 = \boxed{21258}$$

1. 5222×9

$$= (5000 + 200 + 20 + 2) \times (9)$$

$$= (5000 \times 9) + (200 \times 9) + (20 \times 9) + (2 \times 9)$$

$$= 45000 + 1800 + 180 + 18 = \boxed{46998}$$

2. 3107×5

$$= (3000 + 100 + 0 + 7) \times (5)$$

$$= (3000 \times 5) + (100 \times 5) + (0 \times 5) + (7 \times 5)$$

$$= 15000 + 500 + 0 + 35 = \boxed{15535}$$

3. 1343×6

$$= (1000 + 300 + 40 + 3) \times (6)$$

$$= (1000 \times 6) + (300 \times 6) + (40 \times 6) + (3 \times 6)$$

$$= 6000 + 1800 + 240 + 18 = \boxed{8058}$$

4. 6441×5

$$= (6000 + 400 + 40 + 1) \times (5)$$

$$= (6000 \times 5) + (400 \times 5) + (40 \times 5) + (1 \times 5)$$

$$= 30000 + 2000 + 200 + 5 = \boxed{32205}$$

5. 2694×2

$$= (2000 + 600 + 90 + 4) \times (2)$$

$$= (2000 \times 2) + (600 \times 2) + (90 \times 2) + (4 \times 2)$$

$$= 4000 + 1200 + 180 + 8 = \boxed{5388}$$

Distributive Property Multiplication (C)

Name: _____ Date: _____ Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 1954×7
 $= (1000 + 900 + 50 + 4) \times (7)$
 $= (1000 \times 7) + (900 \times 7) + (50 \times 7) + (4 \times 7)$
 $= 7000 + 6300 + 350 + 28 = \boxed{13678}$

1. 5076×2

2. 1418×5

3. 6201×8

4. 5573×3

5. 3514×9

Distributive Property Multiplication (C) Answers

Name: _____

Date: _____

Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 1954×7

$$\begin{aligned} &= (1000 + 900 + 50 + 4) \times (7) \\ &= (1000 \times 7) + (900 \times 7) + (50 \times 7) + (4 \times 7) \\ &= 7000 + 6300 + 350 + 28 = \boxed{13678} \end{aligned}$$

1. 5076×2

$$\begin{aligned} &= (5000 + 0 + 70 + 6) \times (2) \\ &= (5000 \times 2) + (0 \times 2) + (70 \times 2) + (6 \times 2) \\ &= 10000 + 0 + 140 + 12 = \boxed{10152} \end{aligned}$$

2. 1418×5

$$\begin{aligned} &= (1000 + 400 + 10 + 8) \times (5) \\ &= (1000 \times 5) + (400 \times 5) + (10 \times 5) + (8 \times 5) \\ &= 5000 + 2000 + 50 + 40 = \boxed{7090} \end{aligned}$$

3. 6201×8

$$\begin{aligned} &= (6000 + 200 + 0 + 1) \times (8) \\ &= (6000 \times 8) + (200 \times 8) + (0 \times 8) + (1 \times 8) \\ &= 48000 + 1600 + 0 + 8 = \boxed{49608} \end{aligned}$$

4. 5573×3

$$\begin{aligned} &= (5000 + 500 + 70 + 3) \times (3) \\ &= (5000 \times 3) + (500 \times 3) + (70 \times 3) + (3 \times 3) \\ &= 15000 + 1500 + 210 + 9 = \boxed{16719} \end{aligned}$$

5. 3514×9

$$\begin{aligned} &= (3000 + 500 + 10 + 4) \times (9) \\ &= (3000 \times 9) + (500 \times 9) + (10 \times 9) + (4 \times 9) \\ &= 27000 + 4500 + 90 + 36 = \boxed{31626} \end{aligned}$$

Distributive Property Multiplication (D)

Name: _____ Date: _____ Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 4467×8
 $= (4000 + 400 + 60 + 7) \times (8)$
 $= (4000 \times 8) + (400 \times 8) + (60 \times 8) + (7 \times 8)$
 $= 32000 + 3200 + 480 + 56 = \boxed{35736}$

1. 8197×6

2. 2991×2

3. 4595×4

4. 3174×8

5. 3662×7

Distributive Property Multiplication (D) Answers

Name: _____

Date: _____

Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 4467×8

$$= (4000 + 400 + 60 + 7) \times (8)$$

$$= (4000 \times 8) + (400 \times 8) + (60 \times 8) + (7 \times 8)$$

$$= 32000 + 3200 + 480 + 56 = \boxed{35736}$$

1. 8197×6

$$= (8000 + 100 + 90 + 7) \times (6)$$

$$= (8000 \times 6) + (100 \times 6) + (90 \times 6) + (7 \times 6)$$

$$= 48000 + 600 + 540 + 42 = \boxed{49182}$$

2. 2991×2

$$= (2000 + 900 + 90 + 1) \times (2)$$

$$= (2000 \times 2) + (900 \times 2) + (90 \times 2) + (1 \times 2)$$

$$= 4000 + 1800 + 180 + 2 = \boxed{5982}$$

3. 4595×4

$$= (4000 + 500 + 90 + 5) \times (4)$$

$$= (4000 \times 4) + (500 \times 4) + (90 \times 4) + (5 \times 4)$$

$$= 16000 + 2000 + 360 + 20 = \boxed{18380}$$

4. 3174×8

$$= (3000 + 100 + 70 + 4) \times (8)$$

$$= (3000 \times 8) + (100 \times 8) + (70 \times 8) + (4 \times 8)$$

$$= 24000 + 800 + 560 + 32 = \boxed{25392}$$

5. 3662×7

$$= (3000 + 600 + 60 + 2) \times (7)$$

$$= (3000 \times 7) + (600 \times 7) + (60 \times 7) + (2 \times 7)$$

$$= 21000 + 4200 + 420 + 14 = \boxed{25634}$$

Distributive Property Multiplication (E)

Name: _____ Date: _____ Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 3730×5
 $= (3000 + 700 + 30 + 0) \times (5)$
 $= (3000 \times 5) + (700 \times 5) + (30 \times 5) + (0 \times 5)$
 $= 15000 + 3500 + 150 + 0 = \boxed{18650}$

1. 2012×2

2. 9706×2

3. 3992×5

4. 8706×9

5. 1482×6

Distributive Property Multiplication (E) Answers

Name: _____ Date: _____ Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 3730×5

$$\begin{aligned} &= (3000 + 700 + 30 + 0) \times (5) \\ &= (3000 \times 5) + (700 \times 5) + (30 \times 5) + (0 \times 5) \\ &= 15000 + 3500 + 150 + 0 = \boxed{18650} \end{aligned}$$

1. 2012×2

$$\begin{aligned} &= (2000 + 0 + 10 + 2) \times (2) \\ &= (2000 \times 2) + (0 \times 2) + (10 \times 2) + (2 \times 2) \\ &= 4000 + 0 + 20 + 4 = \boxed{4024} \end{aligned}$$

2. 9706×2

$$\begin{aligned} &= (9000 + 700 + 0 + 6) \times (2) \\ &= (9000 \times 2) + (700 \times 2) + (0 \times 2) + (6 \times 2) \\ &= 18000 + 1400 + 0 + 12 = \boxed{19412} \end{aligned}$$

3. 3992×5

$$\begin{aligned} &= (3000 + 900 + 90 + 2) \times (5) \\ &= (3000 \times 5) + (900 \times 5) + (90 \times 5) + (2 \times 5) \\ &= 15000 + 4500 + 450 + 10 = \boxed{19960} \end{aligned}$$

4. 8706×9

$$\begin{aligned} &= (8000 + 700 + 0 + 6) \times (9) \\ &= (8000 \times 9) + (700 \times 9) + (0 \times 9) + (6 \times 9) \\ &= 72000 + 6300 + 0 + 54 = \boxed{78354} \end{aligned}$$

5. 1482×6

$$\begin{aligned} &= (1000 + 400 + 80 + 2) \times (6) \\ &= (1000 \times 6) + (400 \times 6) + (80 \times 6) + (2 \times 6) \\ &= 6000 + 2400 + 480 + 12 = \boxed{8892} \end{aligned}$$

Distributive Property Multiplication (F)

Name: _____ Date: _____ Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 6587×9
 $= (6000 + 500 + 80 + 7) \times (9)$
 $= (6000 \times 9) + (500 \times 9) + (80 \times 9) + (7 \times 9)$
 $= 54000 + 4500 + 720 + 63 = \boxed{59283}$

1. 2361×8

2. 4676×5

3. 5778×4

4. 5595×8

5. 3670×2

Distributive Property Multiplication (F) Answers

Name: _____

Date: _____

Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 6587×9

$$\begin{aligned} &= (6000 + 500 + 80 + 7) \times (9) \\ &= (6000 \times 9) + (500 \times 9) + (80 \times 9) + (7 \times 9) \\ &= 54000 + 4500 + 720 + 63 = \boxed{59283} \end{aligned}$$

1. 2361×8

$$\begin{aligned} &= (2000 + 300 + 60 + 1) \times (8) \\ &= (2000 \times 8) + (300 \times 8) + (60 \times 8) + (1 \times 8) \\ &= 16000 + 2400 + 480 + 8 = \boxed{18888} \end{aligned}$$

2. 4676×5

$$\begin{aligned} &= (4000 + 600 + 70 + 6) \times (5) \\ &= (4000 \times 5) + (600 \times 5) + (70 \times 5) + (6 \times 5) \\ &= 20000 + 3000 + 350 + 30 = \boxed{23380} \end{aligned}$$

3. 5778×4

$$\begin{aligned} &= (5000 + 700 + 70 + 8) \times (4) \\ &= (5000 \times 4) + (700 \times 4) + (70 \times 4) + (8 \times 4) \\ &= 20000 + 2800 + 280 + 32 = \boxed{23112} \end{aligned}$$

4. 5595×8

$$\begin{aligned} &= (5000 + 500 + 90 + 5) \times (8) \\ &= (5000 \times 8) + (500 \times 8) + (90 \times 8) + (5 \times 8) \\ &= 40000 + 4000 + 720 + 40 = \boxed{44760} \end{aligned}$$

5. 3670×2

$$\begin{aligned} &= (3000 + 600 + 70 + 0) \times (2) \\ &= (3000 \times 2) + (600 \times 2) + (70 \times 2) + (0 \times 2) \\ &= 6000 + 1200 + 140 + 0 = \boxed{7340} \end{aligned}$$

Distributive Property Multiplication (G)

Name: _____ Date: _____ Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 4001×3
 $= (4000 + 0 + 0 + 1) \times (3)$
 $= (4000 \times 3) + (0 \times 3) + (0 \times 3) + (1 \times 3)$
 $= 12000 + 0 + 0 + 3 = \boxed{12003}$

1. 5598×9

2. 3814×4

3. 8016×6

4. 7826×2

5. 6715×3

Distributive Property Multiplication (G) Answers

Name: _____

Date: _____

Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 4001×3

$$\begin{aligned} &= (4000 + 0 + 0 + 1) \times (3) \\ &= (4000 \times 3) + (0 \times 3) + (0 \times 3) + (1 \times 3) \\ &= 12000 + 0 + 0 + 3 = \boxed{12003} \end{aligned}$$

1. 5598×9

$$\begin{aligned} &= (5000 + 500 + 90 + 8) \times (9) \\ &= (5000 \times 9) + (500 \times 9) + (90 \times 9) + (8 \times 9) \\ &= 45000 + 4500 + 810 + 72 = \boxed{50382} \end{aligned}$$

2. 3814×4

$$\begin{aligned} &= (3000 + 800 + 10 + 4) \times (4) \\ &= (3000 \times 4) + (800 \times 4) + (10 \times 4) + (4 \times 4) \\ &= 12000 + 3200 + 40 + 16 = \boxed{15256} \end{aligned}$$

3. 8016×6

$$\begin{aligned} &= (8000 + 0 + 10 + 6) \times (6) \\ &= (8000 \times 6) + (0 \times 6) + (10 \times 6) + (6 \times 6) \\ &= 48000 + 0 + 60 + 36 = \boxed{48096} \end{aligned}$$

4. 7826×2

$$\begin{aligned} &= (7000 + 800 + 20 + 6) \times (2) \\ &= (7000 \times 2) + (800 \times 2) + (20 \times 2) + (6 \times 2) \\ &= 14000 + 1600 + 40 + 12 = \boxed{15652} \end{aligned}$$

5. 6715×3

$$\begin{aligned} &= (6000 + 700 + 10 + 5) \times (3) \\ &= (6000 \times 3) + (700 \times 3) + (10 \times 3) + (5 \times 3) \\ &= 18000 + 2100 + 30 + 15 = \boxed{20145} \end{aligned}$$

Distributive Property Multiplication (H)

Name: _____ Date: _____ Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 3056×7
 $= (3000 + 0 + 50 + 6) \times (7)$
 $= (3000 \times 7) + (0 \times 7) + (50 \times 7) + (6 \times 7)$
 $= 21000 + 0 + 350 + 42 = \boxed{21392}$

1. 3475×7

2. 6266×5

3. 7334×2

4. 2882×8

5. 6382×5

Distributive Property Multiplication (H) Answers

Name: _____

Date: _____

Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 3056×7

$$= (3000 + 0 + 50 + 6) \times (7)$$

$$= (3000 \times 7) + (0 \times 7) + (50 \times 7) + (6 \times 7)$$

$$= 21000 + 0 + 350 + 42 = \boxed{21392}$$

1. 3475×7

$$= (3000 + 400 + 70 + 5) \times (7)$$

$$= (3000 \times 7) + (400 \times 7) + (70 \times 7) + (5 \times 7)$$

$$= 21000 + 2800 + 490 + 35 = \boxed{24325}$$

2. 6266×5

$$= (6000 + 200 + 60 + 6) \times (5)$$

$$= (6000 \times 5) + (200 \times 5) + (60 \times 5) + (6 \times 5)$$

$$= 30000 + 1000 + 300 + 30 = \boxed{31330}$$

3. 7334×2

$$= (7000 + 300 + 30 + 4) \times (2)$$

$$= (7000 \times 2) + (300 \times 2) + (30 \times 2) + (4 \times 2)$$

$$= 14000 + 600 + 60 + 8 = \boxed{14668}$$

4. 2882×8

$$= (2000 + 800 + 80 + 2) \times (8)$$

$$= (2000 \times 8) + (800 \times 8) + (80 \times 8) + (2 \times 8)$$

$$= 16000 + 6400 + 640 + 16 = \boxed{23056}$$

5. 6382×5

$$= (6000 + 300 + 80 + 2) \times (5)$$

$$= (6000 \times 5) + (300 \times 5) + (80 \times 5) + (2 \times 5)$$

$$= 30000 + 1500 + 400 + 10 = \boxed{31910}$$

Distributive Property Multiplication (I)

Name: _____ Date: _____ Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 4360×7
 $= (4000 + 300 + 60 + 0) \times (7)$
 $= (4000 \times 7) + (300 \times 7) + (60 \times 7) + (0 \times 7)$
 $= 28000 + 2100 + 420 + 0 = \boxed{30520}$

1. 1814×9

2. 6292×5

3. 2684×6

4. 4605×4

5. 3906×8

Distributive Property Multiplication (I) Answers

Name: _____

Date: _____

Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 4360×7

$$\begin{aligned} &= (4000 + 300 + 60 + 0) \times (7) \\ &= (4000 \times 7) + (300 \times 7) + (60 \times 7) + (0 \times 7) \\ &= 28000 + 2100 + 420 + 0 = \boxed{30520} \end{aligned}$$

1. 1814×9

$$\begin{aligned} &= (1000 + 800 + 10 + 4) \times (9) \\ &= (1000 \times 9) + (800 \times 9) + (10 \times 9) + (4 \times 9) \\ &= 9000 + 7200 + 90 + 36 = \boxed{16326} \end{aligned}$$

2. 6292×5

$$\begin{aligned} &= (6000 + 200 + 90 + 2) \times (5) \\ &= (6000 \times 5) + (200 \times 5) + (90 \times 5) + (2 \times 5) \\ &= 30000 + 1000 + 450 + 10 = \boxed{31460} \end{aligned}$$

3. 2684×6

$$\begin{aligned} &= (2000 + 600 + 80 + 4) \times (6) \\ &= (2000 \times 6) + (600 \times 6) + (80 \times 6) + (4 \times 6) \\ &= 12000 + 3600 + 480 + 24 = \boxed{16104} \end{aligned}$$

4. 4605×4

$$\begin{aligned} &= (4000 + 600 + 0 + 5) \times (4) \\ &= (4000 \times 4) + (600 \times 4) + (0 \times 4) + (5 \times 4) \\ &= 16000 + 2400 + 0 + 20 = \boxed{18420} \end{aligned}$$

5. 3906×8

$$\begin{aligned} &= (3000 + 900 + 0 + 6) \times (8) \\ &= (3000 \times 8) + (900 \times 8) + (0 \times 8) + (6 \times 8) \\ &= 24000 + 7200 + 0 + 48 = \boxed{31248} \end{aligned}$$

Distributive Property Multiplication (J)

Name: _____ Date: _____ Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 5375×3
 $= (5000 + 300 + 70 + 5) \times (3)$
 $= (5000 \times 3) + (300 \times 3) + (70 \times 3) + (5 \times 3)$
 $= 15000 + 900 + 210 + 15 = \boxed{16125}$

1. 6132×6

2. 8246×7

3. 8238×9

4. 8421×9

5. 4155×3

Distributive Property Multiplication (J) Answers

Name: _____

Date: _____

Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 5375×3

$$\begin{aligned} &= (5000 + 300 + 70 + 5) \times (3) \\ &= (5000 \times 3) + (300 \times 3) + (70 \times 3) + (5 \times 3) \\ &= 15000 + 900 + 210 + 15 = \boxed{16125} \end{aligned}$$

1. 6132×6

$$\begin{aligned} &= (6000 + 100 + 30 + 2) \times (6) \\ &= (6000 \times 6) + (100 \times 6) + (30 \times 6) + (2 \times 6) \\ &= 36000 + 600 + 180 + 12 = \boxed{36792} \end{aligned}$$

2. 8246×7

$$\begin{aligned} &= (8000 + 200 + 40 + 6) \times (7) \\ &= (8000 \times 7) + (200 \times 7) + (40 \times 7) + (6 \times 7) \\ &= 56000 + 1400 + 280 + 42 = \boxed{57722} \end{aligned}$$

3. 8238×9

$$\begin{aligned} &= (8000 + 200 + 30 + 8) \times (9) \\ &= (8000 \times 9) + (200 \times 9) + (30 \times 9) + (8 \times 9) \\ &= 72000 + 1800 + 270 + 72 = \boxed{74142} \end{aligned}$$

4. 8421×9

$$\begin{aligned} &= (8000 + 400 + 20 + 1) \times (9) \\ &= (8000 \times 9) + (400 \times 9) + (20 \times 9) + (1 \times 9) \\ &= 72000 + 3600 + 180 + 9 = \boxed{75789} \end{aligned}$$

5. 4155×3

$$\begin{aligned} &= (4000 + 100 + 50 + 5) \times (3) \\ &= (4000 \times 3) + (100 \times 3) + (50 \times 3) + (5 \times 3) \\ &= 12000 + 300 + 150 + 15 = \boxed{12465} \end{aligned}$$