Distributive Property Multiplication (A)

Name: _____ Date: _____ Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 80×27

$= (80 + 0) \times (20 + 7)$

$= (80 \times 20) + (80 \times 7) + (0 \times 20) + (0 \times 7)$

$= 1600 + 560 + 0 + 0 =$ 2160

1. 75×30

2. 65×53

3. 28×50

4. 72×91

5. 68×15

Distributive Property Multiplication (A) Answers

Name: _____ Date: _____ Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 80×27
$= (80 + 0) \times (20 + 7)$
$= (80 \times 20) + (80 \times 7) + (0 \times 20) + (0 \times 7)$
$= 1600 + 560 + 0 + 0 =$ **2160**

1. 75×30
$= (70 + 5) \times (30 + 0)$
$= (70 \times 30) + (70 \times 0) + (5 \times 30) + (5 \times 0)$
$= 2100 + 0 + 150 + 0 =$ **2250**

2. 65×53
$= (60 + 5) \times (50 + 3)$
$= (60 \times 50) + (60 \times 3) + (5 \times 50) + (5 \times 3)$
$= 3000 + 180 + 250 + 15 =$ **3445**

3. 28×50
$= (20 + 8) \times (50 + 0)$
$= (20 \times 50) + (20 \times 0) + (8 \times 50) + (8 \times 0)$
$= 1000 + 0 + 400 + 0 =$ **1400**

4. 72×91
$= (70 + 2) \times (90 + 1)$
$= (70 \times 90) + (70 \times 1) + (2 \times 90) + (2 \times 1)$
$= 6300 + 70 + 180 + 2 =$ **6552**

5. 68×15
$= (60 + 8) \times (10 + 5)$
$= (60 \times 10) + (60 \times 5) + (8 \times 10) + (8 \times 5)$
$= 600 + 300 + 80 + 40 =$ **1020**

Distributive Property Multiplication (B)

Name: _____ Date: _____ Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 46×16

$= (40 + 6) \times (10 + 6)$

$= (40 \times 10) + (40 \times 6) + (6 \times 10) + (6 \times 6)$

$= 400 + 240 + 60 + 36 =$ 736

1. 97×51

2. 74×35

3. 59×36

4. 30×51

5. 54×80

Distributive Property Multiplication (B) Answers

Name: _____ Date: _____ Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 46×16
$= (40 + 6) \times (10 + 6)$
$= (40 \times 10) + (40 \times 6) + (6 \times 10) + (6 \times 6)$
$= 400 + 240 + 60 + 36 =$ 736

1. 97×51
$= (90 + 7) \times (50 + 1)$
$= (90 \times 50) + (90 \times 1) + (7 \times 50) + (7 \times 1)$
$= 4500 + 90 + 350 + 7 =$ 4947

2. 74×35
$= (70 + 4) \times (30 + 5)$
$= (70 \times 30) + (70 \times 5) + (4 \times 30) + (4 \times 5)$
$= 2100 + 350 + 120 + 20 =$ 2590

3. 59×36
$= (50 + 9) \times (30 + 6)$
$= (50 \times 30) + (50 \times 6) + (9 \times 30) + (9 \times 6)$
$= 1500 + 300 + 270 + 54 =$ 2124

4. 30×51
$= (30 + 0) \times (50 + 1)$
$= (30 \times 50) + (30 \times 1) + (0 \times 50) + (0 \times 1)$
$= 1500 + 30 + 0 + 0 =$ 1530

5. 54×80
$= (50 + 4) \times (80 + 0)$
$= (50 \times 80) + (50 \times 0) + (4 \times 80) + (4 \times 0)$
$= 4000 + 0 + 320 + 0 =$ 4320

Distributive Property Multiplication (C)

Name: _____ Date: _____ Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 85×30

$= (80 + 5) \times (30 + 0)$

$= (80 \times 30) + (80 \times 0) + (5 \times 30) + (5 \times 0)$

$= 2400 + 0 + 150 + 0 =$ 2550

1. 25×75

2. 92×83

3. 77×58

4. 34×73

5. 55×90

Distributive Property Multiplication (C) Answers

Name: _____ Date: _____ Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 85×30
$= (80 + 5) \times (30 + 0)$
$= (80 \times 30) + (80 \times 0) + (5 \times 30) + (5 \times 0)$
$= 2400 + 0 + 150 + 0 =$ 2550

1. 25×75
$= (20 + 5) \times (70 + 5)$
$= (20 \times 70) + (20 \times 5) + (5 \times 70) + (5 \times 5)$
$= 1400 + 100 + 350 + 25 =$ 1875

2. 92×83
$= (90 + 2) \times (80 + 3)$
$= (90 \times 80) + (90 \times 3) + (2 \times 80) + (2 \times 3)$
$= 7200 + 270 + 160 + 6 =$ 7636

3. 77×58
$= (70 + 7) \times (50 + 8)$
$= (70 \times 50) + (70 \times 8) + (7 \times 50) + (7 \times 8)$
$= 3500 + 560 + 350 + 56 =$ 4466

4. 34×73
$= (30 + 4) \times (70 + 3)$
$= (30 \times 70) + (30 \times 3) + (4 \times 70) + (4 \times 3)$
$= 2100 + 90 + 280 + 12 =$ 2482

5. 55×90
$= (50 + 5) \times (90 + 0)$
$= (50 \times 90) + (50 \times 0) + (5 \times 90) + (5 \times 0)$
$= 4500 + 0 + 450 + 0 =$ 4950

Distributive Property Multiplication (D)

Name: _____ Date: _____ Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 61×26

$= (60 + 1) \times (20 + 6)$

$= (60 \times 20) + (60 \times 6) + (1 \times 20) + (1 \times 6)$

$= 1200 + 360 + 20 + 6 =$ 1586

1. 50×51

2. 95×69

3. 12×36

4. 36×57

5. 50×55

Distributive Property Multiplication (D) Answers

Name: _____ Date: _____ Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 61×26
$= (60 + 1) \times (20 + 6)$
$= (60 \times 20) + (60 \times 6) + (1 \times 20) + (1 \times 6)$
$= 1200 + 360 + 20 + 6 =$ 1586

1. 50×51
$= (50 + 0) \times (50 + 1)$
$= (50 \times 50) + (50 \times 1) + (0 \times 50) + (0 \times 1)$
$= 2500 + 50 + 0 + 0 =$ 2550

2. 95×69
$= (90 + 5) \times (60 + 9)$
$= (90 \times 60) + (90 \times 9) + (5 \times 60) + (5 \times 9)$
$= 5400 + 810 + 300 + 45 =$ 6555

3. 12×36
$= (10 + 2) \times (30 + 6)$
$= (10 \times 30) + (10 \times 6) + (2 \times 30) + (2 \times 6)$
$= 300 + 60 + 60 + 12 =$ 432

4. 36×57
$= (30 + 6) \times (50 + 7)$
$= (30 \times 50) + (30 \times 7) + (6 \times 50) + (6 \times 7)$
$= 1500 + 210 + 300 + 42 =$ 2052

5. 50×55
$= (50 + 0) \times (50 + 5)$
$= (50 \times 50) + (50 \times 5) + (0 \times 50) + (0 \times 5)$
$= 2500 + 250 + 0 + 0 =$ 2750

Distributive Property Multiplication (E)

Name: _____ Date: _____ Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 87×26

$= (80 + 7) \times (20 + 6)$

$= (80 \times 20) + (80 \times 6) + (7 \times 20) + (7 \times 6)$

$= 1600 + 480 + 140 + 42 =$ 2262

1. 19×72

2. 51×44

3. 38×75

4. 96×69

5. 83×13

Distributive Property Multiplication (E) Answers

Name: _____ Date: _____ Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 87×26
$= (80 + 7) \times (20 + 6)$
$= (80 \times 20) + (80 \times 6) + (7 \times 20) + (7 \times 6)$
$= 1600 + 480 + 140 + 42 =$ **2262**

1. 19×72
$= (10 + 9) \times (70 + 2)$
$= (10 \times 70) + (10 \times 2) + (9 \times 70) + (9 \times 2)$
$= 700 + 20 + 630 + 18 =$ **1368**

2. 51×44
$= (50 + 1) \times (40 + 4)$
$= (50 \times 40) + (50 \times 4) + (1 \times 40) + (1 \times 4)$
$= 2000 + 200 + 40 + 4 =$ **2244**

3. 38×75
$= (30 + 8) \times (70 + 5)$
$= (30 \times 70) + (30 \times 5) + (8 \times 70) + (8 \times 5)$
$= 2100 + 150 + 560 + 40 =$ **2850**

4. 96×69
$= (90 + 6) \times (60 + 9)$
$= (90 \times 60) + (90 \times 9) + (6 \times 60) + (6 \times 9)$
$= 5400 + 810 + 360 + 54 =$ **6624**

5. 83×13
$= (80 + 3) \times (10 + 3)$
$= (80 \times 10) + (80 \times 3) + (3 \times 10) + (3 \times 3)$
$= 800 + 240 + 30 + 9 =$ **1079**

Distributive Property Multiplication (F)

Name: _____ Date: _____ Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 55×47

$= (50 + 5) \times (40 + 7)$

$= (50 \times 40) + (50 \times 7) + (5 \times 40) + (5 \times 7)$

$= 2000 + 350 + 200 + 35 =$ 2585

1. 53×48

2. 38×47

3. 68×76

4. 83×29

5. 24×45

Distributive Property Multiplication (F) Answers

Name: _____ Date: _____ Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 55×47
$= (50 + 5) \times (40 + 7)$
$= (50 \times 40) + (50 \times 7) + (5 \times 40) + (5 \times 7)$
$= 2000 + 350 + 200 + 35 =$ **2585**

1. 53×48
$= (50 + 3) \times (40 + 8)$
$= (50 \times 40) + (50 \times 8) + (3 \times 40) + (3 \times 8)$
$= 2000 + 400 + 120 + 24 =$ **2544**

2. 38×47
$= (30 + 8) \times (40 + 7)$
$= (30 \times 40) + (30 \times 7) + (8 \times 40) + (8 \times 7)$
$= 1200 + 210 + 320 + 56 =$ **1786**

3. 68×76
$= (60 + 8) \times (70 + 6)$
$= (60 \times 70) + (60 \times 6) + (8 \times 70) + (8 \times 6)$
$= 4200 + 360 + 560 + 48 =$ **5168**

4. 83×29
$= (80 + 3) \times (20 + 9)$
$= (80 \times 20) + (80 \times 9) + (3 \times 20) + (3 \times 9)$
$= 1600 + 720 + 60 + 27 =$ **2407**

5. 24×45
$= (20 + 4) \times (40 + 5)$
$= (20 \times 40) + (20 \times 5) + (4 \times 40) + (4 \times 5)$
$= 800 + 100 + 160 + 20 =$ **1080**

Distributive Property Multiplication (G)

Name: _____ Date: _____ Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 31×45

$= (30 + 1) \times (40 + 5)$

$= (30 \times 40) + (30 \times 5) + (1 \times 40) + (1 \times 5)$

$= 1200 + 150 + 40 + 5 = \boxed{1395}$

1. 12×47

2. 11×37

3. 65×82

4. 12×38

5. 61×23

Distributive Property Multiplication (G) Answers

Name: _____ Date: _____ Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 31×45
$= (30 + 1) \times (40 + 5)$
$= (30 \times 40) + (30 \times 5) + (1 \times 40) + (1 \times 5)$
$= 1200 + 150 + 40 + 5 =$ 1395

1. 12×47
$= (10 + 2) \times (40 + 7)$
$= (10 \times 40) + (10 \times 7) + (2 \times 40) + (2 \times 7)$
$= 400 + 70 + 80 + 14 =$ 564

2. 11×37
$= (10 + 1) \times (30 + 7)$
$= (10 \times 30) + (10 \times 7) + (1 \times 30) + (1 \times 7)$
$= 300 + 70 + 30 + 7 =$ 407

3. 65×82
$= (60 + 5) \times (80 + 2)$
$= (60 \times 80) + (60 \times 2) + (5 \times 80) + (5 \times 2)$
$= 4800 + 120 + 400 + 10 =$ 5330

4. 12×38
$= (10 + 2) \times (30 + 8)$
$= (10 \times 30) + (10 \times 8) + (2 \times 30) + (2 \times 8)$
$= 300 + 80 + 60 + 16 =$ 456

5. 61×23
$= (60 + 1) \times (20 + 3)$
$= (60 \times 20) + (60 \times 3) + (1 \times 20) + (1 \times 3)$
$= 1200 + 180 + 20 + 3 =$ 1403

Distributive Property Multiplication (H)

Name: _____ Date: _____ Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 15×35

$= (10 + 5) \times (30 + 5)$

$= (10 \times 30) + (10 \times 5) + (5 \times 30) + (5 \times 5)$

$= 300 + 50 + 150 + 25 = \boxed{525}$

1. 99×24

2. 43×86

3. 16×48

4. 64×24

5. 81×17

Distributive Property Multiplication (H) Answers

Name: _____ Date: _____ Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 15×35
$= (10 + 5) \times (30 + 5)$
$= (10 \times 30) + (10 \times 5) + (5 \times 30) + (5 \times 5)$
$= 300 + 50 + 150 + 25 =$ 525

1. 99×24
$= (90 + 9) \times (20 + 4)$
$= (90 \times 20) + (90 \times 4) + (9 \times 20) + (9 \times 4)$
$= 1800 + 360 + 180 + 36 =$ 2376

2. 43×86
$= (40 + 3) \times (80 + 6)$
$= (40 \times 80) + (40 \times 6) + (3 \times 80) + (3 \times 6)$
$= 3200 + 240 + 240 + 18 =$ 3698

3. 16×48
$= (10 + 6) \times (40 + 8)$
$= (10 \times 40) + (10 \times 8) + (6 \times 40) + (6 \times 8)$
$= 400 + 80 + 240 + 48 =$ 768

4. 64×24
$= (60 + 4) \times (20 + 4)$
$= (60 \times 20) + (60 \times 4) + (4 \times 20) + (4 \times 4)$
$= 1200 + 240 + 80 + 16 =$ 1536

5. 81×17
$= (80 + 1) \times (10 + 7)$
$= (80 \times 10) + (80 \times 7) + (1 \times 10) + (1 \times 7)$
$= 800 + 560 + 10 + 7 =$ 1377

Distributive Property Multiplication (I)

Name: _____ Date: _____ Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 41×61

$= (40 + 1) \times (60 + 1)$

$= (40 \times 60) + (40 \times 1) + (1 \times 60) + (1 \times 1)$

$= 2400 + 40 + 60 + 1 =$ 2501

1. 12×81

2. 56×85

3. 71×45

4. 39×37

5. 66×81

Distributive Property Multiplication (I) Answers

Name: _____ Date: _____ Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 41×61
$= (40 + 1) \times (60 + 1)$
$= (40 \times 60) + (40 \times 1) + (1 \times 60) + (1 \times 1)$
$= 2400 + 40 + 60 + 1 =$ 2501

1. 12×81
$= (10 + 2) \times (80 + 1)$
$= (10 \times 80) + (10 \times 1) + (2 \times 80) + (2 \times 1)$
$= 800 + 10 + 160 + 2 =$ 972

2. 56×85
$= (50 + 6) \times (80 + 5)$
$= (50 \times 80) + (50 \times 5) + (6 \times 80) + (6 \times 5)$
$= 4000 + 250 + 480 + 30 =$ 4760

3. 71×45
$= (70 + 1) \times (40 + 5)$
$= (70 \times 40) + (70 \times 5) + (1 \times 40) + (1 \times 5)$
$= 2800 + 350 + 40 + 5 =$ 3195

4. 39×37
$= (30 + 9) \times (30 + 7)$
$= (30 \times 30) + (30 \times 7) + (9 \times 30) + (9 \times 7)$
$= 900 + 210 + 270 + 63 =$ 1443

5. 66×81
$= (60 + 6) \times (80 + 1)$
$= (60 \times 80) + (60 \times 1) + (6 \times 80) + (6 \times 1)$
$= 4800 + 60 + 480 + 6 =$ 5346

Distributive Property Multiplication (J)

Name: _____ Date: _____ Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 17×18

$= (10 + 7) \times (10 + 8)$

$= (10 \times 10) + (10 \times 8) + (7 \times 10) + (7 \times 8)$

$= 100 + 80 + 70 + 56 =$ 306

1. 34×21

2. 71×91

3. 88×92

4. 92×99

5. 49×71

Distributive Property Multiplication (J) Answers

Name: _____ Date: _____ Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 17×18
$= (10 + 7) \times (10 + 8)$
$= (10 \times 10) + (10 \times 8) + (7 \times 10) + (7 \times 8)$
$= 100 + 80 + 70 + 56 =$ 306

1. 34×21
$= (30 + 4) \times (20 + 1)$
$= (30 \times 20) + (30 \times 1) + (4 \times 20) + (4 \times 1)$
$= 600 + 30 + 80 + 4 =$ 714

2. 71×91
$= (70 + 1) \times (90 + 1)$
$= (70 \times 90) + (70 \times 1) + (1 \times 90) + (1 \times 1)$
$= 6300 + 70 + 90 + 1 =$ 6461

3. 88×92
$= (80 + 8) \times (90 + 2)$
$= (80 \times 90) + (80 \times 2) + (8 \times 90) + (8 \times 2)$
$= 7200 + 160 + 720 + 16 =$ 8096

4. 92×99
$= (90 + 2) \times (90 + 9)$
$= (90 \times 90) + (90 \times 9) + (2 \times 90) + (2 \times 9)$
$= 8100 + 810 + 180 + 18 =$ 9108

5. 49×71
$= (40 + 9) \times (70 + 1)$
$= (40 \times 70) + (40 \times 1) + (9 \times 70) + (9 \times 1)$
$= 2800 + 40 + 630 + 9 =$ 3479