

Distributive Property Multiplication (A)

Name: _____

Date: _____

Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 593×99

$$\begin{aligned} &= (500 + 90 + 3) \times (90 + 9) \\ &= (500 \times 90) + (500 \times 9) + (90 \times 90) + (90 \times 9) + (3 \times 90) + (3 \times 9) \\ &= 45000 + 4500 + 8100 + 810 + 270 + 27 = \boxed{58707} \end{aligned}$$

1. 373×13

2. 509×69

3. 378×24

4. 565×75

5. 983×80

Distributive Property Multiplication (A) Answers

Name: _____

Date: _____

Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 593×99

$$\begin{aligned} &= (500 + 90 + 3) \times (90 + 9) \\ &= (500 \times 90) + (500 \times 9) + (90 \times 90) + (90 \times 9) + (3 \times 90) + (3 \times 9) \\ &= 45000 + 4500 + 8100 + 810 + 270 + 27 = \boxed{58707} \end{aligned}$$

1. 373×13

$$\begin{aligned} &= (300 + 70 + 3) \times (10 + 3) \\ &= (300 \times 10) + (300 \times 3) + (70 \times 10) + (70 \times 3) + (3 \times 10) + (3 \times 3) \\ &= 3000 + 900 + 700 + 210 + 30 + 9 = \boxed{4849} \end{aligned}$$

2. 509×69

$$\begin{aligned} &= (500 + 0 + 9) \times (60 + 9) \\ &= (500 \times 60) + (500 \times 9) + (0 \times 60) + (0 \times 9) + (9 \times 60) + (9 \times 9) \\ &= 30000 + 4500 + 0 + 0 + 540 + 81 = \boxed{35121} \end{aligned}$$

3. 378×24

$$\begin{aligned} &= (300 + 70 + 8) \times (20 + 4) \\ &= (300 \times 20) + (300 \times 4) + (70 \times 20) + (70 \times 4) + (8 \times 20) + (8 \times 4) \\ &= 6000 + 1200 + 1400 + 280 + 160 + 32 = \boxed{9072} \end{aligned}$$

4. 565×75

$$\begin{aligned} &= (500 + 60 + 5) \times (70 + 5) \\ &= (500 \times 70) + (500 \times 5) + (60 \times 70) + (60 \times 5) + (5 \times 70) + (5 \times 5) \\ &= 35000 + 2500 + 4200 + 300 + 350 + 25 = \boxed{42375} \end{aligned}$$

5. 983×80

$$\begin{aligned} &= (900 + 80 + 3) \times (80 + 0) \\ &= (900 \times 80) + (900 \times 0) + (80 \times 80) + (80 \times 0) + (3 \times 80) + (3 \times 0) \\ &= 72000 + 0 + 6400 + 0 + 240 + 0 = \boxed{78640} \end{aligned}$$

Distributive Property Multiplication (B)

Name: _____

Date: _____

Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 370×33

$$\begin{aligned} &= (300 + 70 + 0) \times (30 + 3) \\ &= (300 \times 30) + (300 \times 3) + (70 \times 30) + (70 \times 3) + (0 \times 30) + (0 \times 3) \\ &= 9000 + 900 + 2100 + 210 + 0 + 0 = \boxed{12210} \end{aligned}$$

1. 827×89

2. 864×65

3. 853×93

4. 786×60

5. 791×55

Distributive Property Multiplication (B) Answers

Name: _____

Date: _____

Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 370×33

$$\begin{aligned} &= (300 + 70 + 0) \times (30 + 3) \\ &= (300 \times 30) + (300 \times 3) + (70 \times 30) + (70 \times 3) + (0 \times 30) + (0 \times 3) \\ &= 9000 + 900 + 2100 + 210 + 0 + 0 = \boxed{12210} \end{aligned}$$

1. 827×89

$$\begin{aligned} &= (800 + 20 + 7) \times (80 + 9) \\ &= (800 \times 80) + (800 \times 9) + (20 \times 80) + (20 \times 9) + (7 \times 80) + (7 \times 9) \\ &= 64000 + 7200 + 1600 + 180 + 560 + 63 = \boxed{73603} \end{aligned}$$

2. 864×65

$$\begin{aligned} &= (800 + 60 + 4) \times (60 + 5) \\ &= (800 \times 60) + (800 \times 5) + (60 \times 60) + (60 \times 5) + (4 \times 60) + (4 \times 5) \\ &= 48000 + 4000 + 3600 + 300 + 240 + 20 = \boxed{56160} \end{aligned}$$

3. 853×93

$$\begin{aligned} &= (800 + 50 + 3) \times (90 + 3) \\ &= (800 \times 90) + (800 \times 3) + (50 \times 90) + (50 \times 3) + (3 \times 90) + (3 \times 3) \\ &= 72000 + 2400 + 4500 + 150 + 270 + 9 = \boxed{79329} \end{aligned}$$

4. 786×60

$$\begin{aligned} &= (700 + 80 + 6) \times (60 + 0) \\ &= (700 \times 60) + (700 \times 0) + (80 \times 60) + (80 \times 0) + (6 \times 60) + (6 \times 0) \\ &= 42000 + 0 + 4800 + 0 + 360 + 0 = \boxed{47160} \end{aligned}$$

5. 791×55

$$\begin{aligned} &= (700 + 90 + 1) \times (50 + 5) \\ &= (700 \times 50) + (700 \times 5) + (90 \times 50) + (90 \times 5) + (1 \times 50) + (1 \times 5) \\ &= 35000 + 3500 + 4500 + 450 + 50 + 5 = \boxed{43505} \end{aligned}$$

Distributive Property Multiplication (C)

Name: _____

Date: _____

Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 790×14

$$\begin{aligned} &= (700 + 90 + 0) \times (10 + 4) \\ &= (700 \times 10) + (700 \times 4) + (90 \times 10) + (90 \times 4) + (0 \times 10) + (0 \times 4) \\ &= 7000 + 2800 + 900 + 360 + 0 + 0 = \boxed{11060} \end{aligned}$$

1. 694×41

2. 587×90

3. 543×50

4. 292×93

5. 422×66

Distributive Property Multiplication (C) Answers

Name: _____

Date: _____

Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 790×14

$$\begin{aligned} &= (700 + 90 + 0) \times (10 + 4) \\ &= (700 \times 10) + (700 \times 4) + (90 \times 10) + (90 \times 4) + (0 \times 10) + (0 \times 4) \\ &= 7000 + 2800 + 900 + 360 + 0 + 0 = \boxed{11060} \end{aligned}$$

1. 694×41

$$\begin{aligned} &= (600 + 90 + 4) \times (40 + 1) \\ &= (600 \times 40) + (600 \times 1) + (90 \times 40) + (90 \times 1) + (4 \times 40) + (4 \times 1) \\ &= 24000 + 600 + 3600 + 90 + 160 + 4 = \boxed{28454} \end{aligned}$$

2. 587×90

$$\begin{aligned} &= (500 + 80 + 7) \times (90 + 0) \\ &= (500 \times 90) + (500 \times 0) + (80 \times 90) + (80 \times 0) + (7 \times 90) + (7 \times 0) \\ &= 45000 + 0 + 7200 + 0 + 630 + 0 = \boxed{52830} \end{aligned}$$

3. 543×50

$$\begin{aligned} &= (500 + 40 + 3) \times (50 + 0) \\ &= (500 \times 50) + (500 \times 0) + (40 \times 50) + (40 \times 0) + (3 \times 50) + (3 \times 0) \\ &= 25000 + 0 + 2000 + 0 + 150 + 0 = \boxed{27150} \end{aligned}$$

4. 292×93

$$\begin{aligned} &= (200 + 90 + 2) \times (90 + 3) \\ &= (200 \times 90) + (200 \times 3) + (90 \times 90) + (90 \times 3) + (2 \times 90) + (2 \times 3) \\ &= 18000 + 600 + 8100 + 270 + 180 + 6 = \boxed{27156} \end{aligned}$$

5. 422×66

$$\begin{aligned} &= (400 + 20 + 2) \times (60 + 6) \\ &= (400 \times 60) + (400 \times 6) + (20 \times 60) + (20 \times 6) + (2 \times 60) + (2 \times 6) \\ &= 24000 + 2400 + 1200 + 120 + 120 + 12 = \boxed{27852} \end{aligned}$$

Distributive Property Multiplication (D)

Name: _____

Date: _____

Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 842×76

$$\begin{aligned} &= (800 + 40 + 2) \times (70 + 6) \\ &= (800 \times 70) + (800 \times 6) + (40 \times 70) + (40 \times 6) + (2 \times 70) + (2 \times 6) \\ &= 56000 + 4800 + 2800 + 240 + 140 + 12 = \boxed{63992} \end{aligned}$$

1. 552×64

2. 485×29

3. 757×32

4. 778×67

5. 770×26

Distributive Property Multiplication (D) Answers

Name: _____

Date: _____

Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 842×76

$$\begin{aligned} &= (800 + 40 + 2) \times (70 + 6) \\ &= (800 \times 70) + (800 \times 6) + (40 \times 70) + (40 \times 6) + (2 \times 70) + (2 \times 6) \\ &= 56000 + 4800 + 2800 + 240 + 140 + 12 = \boxed{63992} \end{aligned}$$

1. 552×64

$$\begin{aligned} &= (500 + 50 + 2) \times (60 + 4) \\ &= (500 \times 60) + (500 \times 4) + (50 \times 60) + (50 \times 4) + (2 \times 60) + (2 \times 4) \\ &= 30000 + 2000 + 3000 + 200 + 120 + 8 = \boxed{35328} \end{aligned}$$

2. 485×29

$$\begin{aligned} &= (400 + 80 + 5) \times (20 + 9) \\ &= (400 \times 20) + (400 \times 9) + (80 \times 20) + (80 \times 9) + (5 \times 20) + (5 \times 9) \\ &= 8000 + 3600 + 1600 + 720 + 100 + 45 = \boxed{14065} \end{aligned}$$

3. 757×32

$$\begin{aligned} &= (700 + 50 + 7) \times (30 + 2) \\ &= (700 \times 30) + (700 \times 2) + (50 \times 30) + (50 \times 2) + (7 \times 30) + (7 \times 2) \\ &= 21000 + 1400 + 1500 + 100 + 210 + 14 = \boxed{24224} \end{aligned}$$

4. 778×67

$$\begin{aligned} &= (700 + 70 + 8) \times (60 + 7) \\ &= (700 \times 60) + (700 \times 7) + (70 \times 60) + (70 \times 7) + (8 \times 60) + (8 \times 7) \\ &= 42000 + 4900 + 4200 + 490 + 480 + 56 = \boxed{52126} \end{aligned}$$

5. 770×26

$$\begin{aligned} &= (700 + 70 + 0) \times (20 + 6) \\ &= (700 \times 20) + (700 \times 6) + (70 \times 20) + (70 \times 6) + (0 \times 20) + (0 \times 6) \\ &= 14000 + 4200 + 1400 + 420 + 0 + 0 = \boxed{20020} \end{aligned}$$

Distributive Property Multiplication (E)

Name: _____

Date: _____

Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 540×58

$$\begin{aligned} &= (500 + 40 + 0) \times (50 + 8) \\ &= (500 \times 50) + (500 \times 8) + (40 \times 50) + (40 \times 8) + (0 \times 50) + (0 \times 8) \\ &= 25000 + 4000 + 2000 + 320 + 0 + 0 = \boxed{31320} \end{aligned}$$

1. 675×54

2. 288×76

3. 354×14

4. 402×65

5. 376×42

Distributive Property Multiplication (E) Answers

Name: _____

Date: _____

Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 540×58

$$\begin{aligned} &= (500 + 40 + 0) \times (50 + 8) \\ &= (500 \times 50) + (500 \times 8) + (40 \times 50) + (40 \times 8) + (0 \times 50) + (0 \times 8) \\ &= 25000 + 4000 + 2000 + 320 + 0 + 0 = \boxed{31320} \end{aligned}$$

1. 675×54

$$\begin{aligned} &= (600 + 70 + 5) \times (50 + 4) \\ &= (600 \times 50) + (600 \times 4) + (70 \times 50) + (70 \times 4) + (5 \times 50) + (5 \times 4) \\ &= 30000 + 2400 + 3500 + 280 + 250 + 20 = \boxed{36450} \end{aligned}$$

2. 288×76

$$\begin{aligned} &= (200 + 80 + 8) \times (70 + 6) \\ &= (200 \times 70) + (200 \times 6) + (80 \times 70) + (80 \times 6) + (8 \times 70) + (8 \times 6) \\ &= 14000 + 1200 + 5600 + 480 + 560 + 48 = \boxed{21888} \end{aligned}$$

3. 354×14

$$\begin{aligned} &= (300 + 50 + 4) \times (10 + 4) \\ &= (300 \times 10) + (300 \times 4) + (50 \times 10) + (50 \times 4) + (4 \times 10) + (4 \times 4) \\ &= 3000 + 1200 + 500 + 200 + 40 + 16 = \boxed{4956} \end{aligned}$$

4. 402×65

$$\begin{aligned} &= (400 + 0 + 2) \times (60 + 5) \\ &= (400 \times 60) + (400 \times 5) + (0 \times 60) + (0 \times 5) + (2 \times 60) + (2 \times 5) \\ &= 24000 + 2000 + 0 + 0 + 120 + 10 = \boxed{26130} \end{aligned}$$

5. 376×42

$$\begin{aligned} &= (300 + 70 + 6) \times (40 + 2) \\ &= (300 \times 40) + (300 \times 2) + (70 \times 40) + (70 \times 2) + (6 \times 40) + (6 \times 2) \\ &= 12000 + 600 + 2800 + 140 + 240 + 12 = \boxed{15792} \end{aligned}$$

Distributive Property Multiplication (F)

Name: _____

Date: _____

Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 155×24

$$\begin{aligned} &= (100 + 50 + 5) \times (20 + 4) \\ &= (100 \times 20) + (100 \times 4) + (50 \times 20) + (50 \times 4) + (5 \times 20) + (5 \times 4) \\ &= 2000 + 400 + 1000 + 200 + 100 + 20 = \boxed{3720} \end{aligned}$$

1. 437×94

2. 265×38

3. 523×47

4. 422×75

5. 999×48

Distributive Property Multiplication (F) Answers

Name: _____

Date: _____

Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 155×24

$$\begin{aligned} &= (100 + 50 + 5) \times (20 + 4) \\ &= (100 \times 20) + (100 \times 4) + (50 \times 20) + (50 \times 4) + (5 \times 20) + (5 \times 4) \\ &= 2000 + 400 + 1000 + 200 + 100 + 20 = \boxed{3720} \end{aligned}$$

1. 437×94

$$\begin{aligned} &= (400 + 30 + 7) \times (90 + 4) \\ &= (400 \times 90) + (400 \times 4) + (30 \times 90) + (30 \times 4) + (7 \times 90) + (7 \times 4) \\ &= 36000 + 1600 + 2700 + 120 + 630 + 28 = \boxed{41078} \end{aligned}$$

2. 265×38

$$\begin{aligned} &= (200 + 60 + 5) \times (30 + 8) \\ &= (200 \times 30) + (200 \times 8) + (60 \times 30) + (60 \times 8) + (5 \times 30) + (5 \times 8) \\ &= 6000 + 1600 + 1800 + 480 + 150 + 40 = \boxed{10070} \end{aligned}$$

3. 523×47

$$\begin{aligned} &= (500 + 20 + 3) \times (40 + 7) \\ &= (500 \times 40) + (500 \times 7) + (20 \times 40) + (20 \times 7) + (3 \times 40) + (3 \times 7) \\ &= 20000 + 3500 + 800 + 140 + 120 + 21 = \boxed{24581} \end{aligned}$$

4. 422×75

$$\begin{aligned} &= (400 + 20 + 2) \times (70 + 5) \\ &= (400 \times 70) + (400 \times 5) + (20 \times 70) + (20 \times 5) + (2 \times 70) + (2 \times 5) \\ &= 28000 + 2000 + 1400 + 100 + 140 + 10 = \boxed{31650} \end{aligned}$$

5. 999×48

$$\begin{aligned} &= (900 + 90 + 9) \times (40 + 8) \\ &= (900 \times 40) + (900 \times 8) + (90 \times 40) + (90 \times 8) + (9 \times 40) + (9 \times 8) \\ &= 36000 + 7200 + 3600 + 720 + 360 + 72 = \boxed{47952} \end{aligned}$$

Distributive Property Multiplication (G)

Name: _____

Date: _____

Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 309×85

$$\begin{aligned} &= (300 + 0 + 9) \times (80 + 5) \\ &= (300 \times 80) + (300 \times 5) + (0 \times 80) + (0 \times 5) + (9 \times 80) + (9 \times 5) \\ &= 24000 + 1500 + 0 + 0 + 720 + 45 = \boxed{26265} \end{aligned}$$

1. 245×78

2. 287×88

3. 226×98

4. 120×71

5. 441×93

Distributive Property Multiplication (G) Answers

Name: _____

Date: _____

Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 309×85

$$\begin{aligned} &= (300 + 0 + 9) \times (80 + 5) \\ &= (300 \times 80) + (300 \times 5) + (0 \times 80) + (0 \times 5) + (9 \times 80) + (9 \times 5) \\ &= 24000 + 1500 + 0 + 0 + 720 + 45 = \boxed{26265} \end{aligned}$$

1. 245×78

$$\begin{aligned} &= (200 + 40 + 5) \times (70 + 8) \\ &= (200 \times 70) + (200 \times 8) + (40 \times 70) + (40 \times 8) + (5 \times 70) + (5 \times 8) \\ &= 14000 + 1600 + 2800 + 320 + 350 + 40 = \boxed{19110} \end{aligned}$$

2. 287×88

$$\begin{aligned} &= (200 + 80 + 7) \times (80 + 8) \\ &= (200 \times 80) + (200 \times 8) + (80 \times 80) + (80 \times 8) + (7 \times 80) + (7 \times 8) \\ &= 16000 + 1600 + 6400 + 640 + 560 + 56 = \boxed{25256} \end{aligned}$$

3. 226×98

$$\begin{aligned} &= (200 + 20 + 6) \times (90 + 8) \\ &= (200 \times 90) + (200 \times 8) + (20 \times 90) + (20 \times 8) + (6 \times 90) + (6 \times 8) \\ &= 18000 + 1600 + 1800 + 160 + 540 + 48 = \boxed{22148} \end{aligned}$$

4. 120×71

$$\begin{aligned} &= (100 + 20 + 0) \times (70 + 1) \\ &= (100 \times 70) + (100 \times 1) + (20 \times 70) + (20 \times 1) + (0 \times 70) + (0 \times 1) \\ &= 7000 + 100 + 1400 + 20 + 0 + 0 = \boxed{8520} \end{aligned}$$

5. 441×93

$$\begin{aligned} &= (400 + 40 + 1) \times (90 + 3) \\ &= (400 \times 90) + (400 \times 3) + (40 \times 90) + (40 \times 3) + (1 \times 90) + (1 \times 3) \\ &= 36000 + 1200 + 3600 + 120 + 90 + 3 = \boxed{41013} \end{aligned}$$

Distributive Property Multiplication (H)

Name: _____

Date: _____

Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 796×41

$$\begin{aligned} &= (700 + 90 + 6) \times (40 + 1) \\ &= (700 \times 40) + (700 \times 1) + (90 \times 40) + (90 \times 1) + (6 \times 40) + (6 \times 1) \\ &= 28000 + 700 + 3600 + 90 + 240 + 6 = \boxed{32636} \end{aligned}$$

1. 223×11

2. 156×78

3. 339×88

4. 249×82

5. 890×21

Distributive Property Multiplication (H) Answers

Name: _____

Date: _____

Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 796×41

$$\begin{aligned} &= (700 + 90 + 6) \times (40 + 1) \\ &= (700 \times 40) + (700 \times 1) + (90 \times 40) + (90 \times 1) + (6 \times 40) + (6 \times 1) \\ &= 28000 + 700 + 3600 + 90 + 240 + 6 = \boxed{32636} \end{aligned}$$

1. 223×11

$$\begin{aligned} &= (200 + 20 + 3) \times (10 + 1) \\ &= (200 \times 10) + (200 \times 1) + (20 \times 10) + (20 \times 1) + (3 \times 10) + (3 \times 1) \\ &= 2000 + 200 + 200 + 20 + 30 + 3 = \boxed{2453} \end{aligned}$$

2. 156×78

$$\begin{aligned} &= (100 + 50 + 6) \times (70 + 8) \\ &= (100 \times 70) + (100 \times 8) + (50 \times 70) + (50 \times 8) + (6 \times 70) + (6 \times 8) \\ &= 7000 + 800 + 3500 + 400 + 420 + 48 = \boxed{12168} \end{aligned}$$

3. 339×88

$$\begin{aligned} &= (300 + 30 + 9) \times (80 + 8) \\ &= (300 \times 80) + (300 \times 8) + (30 \times 80) + (30 \times 8) + (9 \times 80) + (9 \times 8) \\ &= 24000 + 2400 + 2400 + 240 + 720 + 72 = \boxed{29832} \end{aligned}$$

4. 249×82

$$\begin{aligned} &= (200 + 40 + 9) \times (80 + 2) \\ &= (200 \times 80) + (200 \times 2) + (40 \times 80) + (40 \times 2) + (9 \times 80) + (9 \times 2) \\ &= 16000 + 400 + 3200 + 80 + 720 + 18 = \boxed{20418} \end{aligned}$$

5. 890×21

$$\begin{aligned} &= (800 + 90 + 0) \times (20 + 1) \\ &= (800 \times 20) + (800 \times 1) + (90 \times 20) + (90 \times 1) + (0 \times 20) + (0 \times 1) \\ &= 16000 + 800 + 1800 + 90 + 0 + 0 = \boxed{18690} \end{aligned}$$

Distributive Property Multiplication (I)

Name: _____

Date: _____

Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 312×43

$$\begin{aligned} &= (300 + 10 + 2) \times (40 + 3) \\ &= (300 \times 40) + (300 \times 3) + (10 \times 40) + (10 \times 3) + (2 \times 40) + (2 \times 3) \\ &= 12000 + 900 + 400 + 30 + 80 + 6 = \boxed{13416} \end{aligned}$$

1. 822×63

2. 203×60

3. 149×47

4. 128×63

5. 144×17

Distributive Property Multiplication (I) Answers

Name: _____

Date: _____

Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 312×43

$$\begin{aligned} &= (300 + 10 + 2) \times (40 + 3) \\ &= (300 \times 40) + (300 \times 3) + (10 \times 40) + (10 \times 3) + (2 \times 40) + (2 \times 3) \\ &= 12000 + 900 + 400 + 30 + 80 + 6 = \boxed{13416} \end{aligned}$$

1. 822×63

$$\begin{aligned} &= (800 + 20 + 2) \times (60 + 3) \\ &= (800 \times 60) + (800 \times 3) + (20 \times 60) + (20 \times 3) + (2 \times 60) + (2 \times 3) \\ &= 48000 + 2400 + 1200 + 60 + 120 + 6 = \boxed{51786} \end{aligned}$$

2. 203×60

$$\begin{aligned} &= (200 + 0 + 3) \times (60 + 0) \\ &= (200 \times 60) + (200 \times 0) + (0 \times 60) + (0 \times 0) + (3 \times 60) + (3 \times 0) \\ &= 12000 + 0 + 0 + 0 + 180 + 0 = \boxed{12180} \end{aligned}$$

3. 149×47

$$\begin{aligned} &= (100 + 40 + 9) \times (40 + 7) \\ &= (100 \times 40) + (100 \times 7) + (40 \times 40) + (40 \times 7) + (9 \times 40) + (9 \times 7) \\ &= 4000 + 700 + 1600 + 280 + 360 + 63 = \boxed{7003} \end{aligned}$$

4. 128×63

$$\begin{aligned} &= (100 + 20 + 8) \times (60 + 3) \\ &= (100 \times 60) + (100 \times 3) + (20 \times 60) + (20 \times 3) + (8 \times 60) + (8 \times 3) \\ &= 6000 + 300 + 1200 + 60 + 480 + 24 = \boxed{8064} \end{aligned}$$

5. 144×17

$$\begin{aligned} &= (100 + 40 + 4) \times (10 + 7) \\ &= (100 \times 10) + (100 \times 7) + (40 \times 10) + (40 \times 7) + (4 \times 10) + (4 \times 7) \\ &= 1000 + 700 + 400 + 280 + 40 + 28 = \boxed{2448} \end{aligned}$$

Distributive Property Multiplication (J)

Name: _____

Date: _____

Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 573×17

$$\begin{aligned} &= (500 + 70 + 3) \times (10 + 7) \\ &= (500 \times 10) + (500 \times 7) + (70 \times 10) + (70 \times 7) + (3 \times 10) + (3 \times 7) \\ &= 5000 + 3500 + 700 + 490 + 30 + 21 = \boxed{9741} \end{aligned}$$

1. 169×34

2. 680×66

3. 536×90

4. 583×13

5. 410×47

Distributive Property Multiplication (J) Answers

Name: _____

Date: _____

Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 573×17

$$\begin{aligned} &= (500 + 70 + 3) \times (10 + 7) \\ &= (500 \times 10) + (500 \times 7) + (70 \times 10) + (70 \times 7) + (3 \times 10) + (3 \times 7) \\ &= 5000 + 3500 + 700 + 490 + 30 + 21 = \boxed{9741} \end{aligned}$$

1. 169×34

$$\begin{aligned} &= (100 + 60 + 9) \times (30 + 4) \\ &= (100 \times 30) + (100 \times 4) + (60 \times 30) + (60 \times 4) + (9 \times 30) + (9 \times 4) \\ &= 3000 + 400 + 1800 + 240 + 270 + 36 = \boxed{5746} \end{aligned}$$

2. 680×66

$$\begin{aligned} &= (600 + 80 + 0) \times (60 + 6) \\ &= (600 \times 60) + (600 \times 6) + (80 \times 60) + (80 \times 6) + (0 \times 60) + (0 \times 6) \\ &= 36000 + 3600 + 4800 + 480 + 0 + 0 = \boxed{44880} \end{aligned}$$

3. 536×90

$$\begin{aligned} &= (500 + 30 + 6) \times (90 + 0) \\ &= (500 \times 90) + (500 \times 0) + (30 \times 90) + (30 \times 0) + (6 \times 90) + (6 \times 0) \\ &= 45000 + 0 + 2700 + 0 + 540 + 0 = \boxed{48240} \end{aligned}$$

4. 583×13

$$\begin{aligned} &= (500 + 80 + 3) \times (10 + 3) \\ &= (500 \times 10) + (500 \times 3) + (80 \times 10) + (80 \times 3) + (3 \times 10) + (3 \times 3) \\ &= 5000 + 1500 + 800 + 240 + 30 + 9 = \boxed{7579} \end{aligned}$$

5. 410×47

$$\begin{aligned} &= (400 + 10 + 0) \times (40 + 7) \\ &= (400 \times 40) + (400 \times 7) + (10 \times 40) + (10 \times 7) + (0 \times 40) + (0 \times 7) \\ &= 16000 + 2800 + 400 + 70 + 0 + 0 = \boxed{19270} \end{aligned}$$