Using Distributive Property

Name:

Use the distributive property to solve each problem.

Ex) $13 \times 9 = (9 \times 9) + (\underline{4} \times 9) = 81 + 36 = 117$

1) $18 \times 4 = (8 \times 4) + (\underline{\quad} \times 4) = \underline{\quad}$ +

2) $16 \times 8 = (9 \times 8) + (\underline{\quad} \times 8) = \underline{\quad}$ +

3) $7 \times 16 = (7 \times 6) + (7 \times \underline{\quad}) = \underline{\quad}$ +

4) $13 \times 3 = (3 \times 3) + (\underline{\quad} \times 3) = \underline{\quad}$ +

5) $15 \times 9 = (9 \times 9) + (\underline{\quad} \times 9) = \underline{\quad}$ +

6) $13 \times 4 = (4 \times 4) + (\underline{\quad} \times 4) = \underline{\quad}$ +

7) $6 \times 14 = (6 \times 9) + (6 \times \underline{\quad}) = \underline{\quad}$ +

8) $17 \times 3 = (9 \times 3) + (\underline{\quad} \times 3) = \underline{\quad}$ +

9) $16 \times 5 = (9 \times 5) + (\underline{\quad} \times 5) = \underline{\quad}$ +

10) $6 \times 13 = (6 \times 8) + (6 \times \underline{\quad}) = \underline{\quad}$ +

Answers

Ex. 117

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

1-10	90	80	70	60	50	40	30	20	10	0

Using Distributive Property Name: **Answer Key**

Use the distributive property to solve each problem.

Ex) $13 \times 9 = (9 \times 9) + (\underline{4} \times 9) = 81 + 36 = 117$

1) $18 \times 4 = (8 \times 4) + (\underline{10} \times 4) = 32 + 40 = 72$

2) $16 \times 8 = (9 \times 8) + (\underline{7} \times 8) = 72 + 56 = 128$

3) $7 \times 16 = (7 \times 6) + (7 \times \underline{10}) = 42 + 70 = 112$

4) $13 \times 3 = (3 \times 3) + (\underline{10} \times 3) = 9 + 30 = 39$

5) $15 \times 9 = (9 \times 9) + (\underline{6} \times 9) = 81 + 54 = 135$

6) $13 \times 4 = (4 \times 4) + (\underline{9} \times 4) = 16 + 36 = 52$

7) $6 \times 14 = (6 \times 9) + (6 \times \underline{5}) = 54 + 30 = 84$

8) $17 \times 3 = (9 \times 3) + (\underline{8} \times 3) = 27 + 24 = 51$

9) $16 \times 5 = (9 \times 5) + (\underline{7} \times 5) = 45 + 35 = 80$

10) $6 \times 13 = (6 \times 8) + (6 \times \underline{5}) = 48 + 30 = 78$

Answers

Ex. 117

1. 72
2. 128
3. 112
4. 39
5. 135
6. 52
7. 84
8. 51
9. 80
10. 78

1-10	90	80	70	60	50	40	30	20	10	0

Using Distributive Property Name:

Use the distributive property to solve each problem.

Ex) $9 \times 18 = (9 \times 9) + (9 \times \underline{9}) = \underline{162}$
$81 + 81$

1) $3 \times 14 = (3 \times 7) + (3 \times \underline{\quad}) = \underline{\quad}$
$+$

2) $6 \times 12 = (6 \times 5) + (6 \times \underline{\quad}) = \underline{\quad}$
$+$

3) $12 \times 6 = (7 \times 6) + (\underline{\quad} \times 6) = \underline{\quad}$
$+$

4) $8 \times 18 = (8 \times 9) + (8 \times \underline{\quad}) = \underline{\quad}$
$+$

5) $6 \times 12 = (6 \times 4) + (6 \times \underline{\quad}) = \underline{\quad}$
$+$

6) $4 \times 16 = (4 \times 9) + (4 \times \underline{\quad}) = \underline{\quad}$
$+$

7) $4 \times 12 = (4 \times 7) + (4 \times \underline{\quad}) = \underline{\quad}$
$+$

8) $12 \times 4 = (5 \times 4) + (\underline{\quad} \times 4) = \underline{\quad}$
$+$

9) $14 \times 5 = (8 \times 5) + (\underline{\quad} \times 5) = \underline{\quad}$
$+$

10) $12 \times 9 = (8 \times 9) + (\underline{\quad} \times 9) = \underline{\quad}$
$+$

Answers

Ex. 162

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

1-10	90	80	70	60	50	40	30	20	10	0

Use the distributive property to solve each problem.

Ex) $9 \times 18 = (9 \times 9) + (9 \times \underline{9}) = 81 + 81 = 162$

1) $3 \times 14 = (3 \times 7) + (3 \times \underline{7}) = 21 + 21 = 42$

2) $6 \times 12 = (6 \times 5) + (6 \times \underline{7}) = 30 + 42 = 72$

3) $12 \times 6 = (7 \times 6) + (\underline{5} \times 6) = 42 + 30 = 72$

4) $8 \times 18 = (8 \times 9) + (8 \times \underline{9}) = 72 + 72 = 144$

5) $6 \times 12 = (6 \times 4) + (6 \times \underline{8}) = 24 + 48 = 72$

6) $4 \times 16 = (4 \times 9) + (4 \times \underline{7}) = 36 + 28 = 64$

7) $4 \times 12 = (4 \times 7) + (4 \times \underline{5}) = 28 + 20 = 48$

8) $12 \times 4 = (5 \times 4) + (\underline{7} \times 4) = 20 + 28 = 48$

9) $14 \times 5 = (8 \times 5) + (\underline{6} \times 5) = 40 + 30 = 70$

10) $12 \times 9 = (8 \times 9) + (\underline{4} \times 9) = 72 + 36 = 108$

Answers

Ex. 162

1. 42
2. 72
3. 72
4. 144
5. 72
6. 64
7. 48
8. 48
9. 70
10. 108

1-10	90	80	70	60	50	40	30	20	10	0

Use the distributive property to solve each problem.

Ex) $9 \times 16 = (9 \times 9) + (9 \times \underline{7}) = \underline{144}$
$81 + 63$

1) $3 \times 12 = (3 \times 8) + (3 \times \underline{\quad}) = \underline{\quad}$
$+$

2) $18 \times 4 = (8 \times 4) + (\underline{\quad} \times 4) = \underline{\quad}$
$+$

3) $8 \times 18 = (8 \times 8) + (8 \times \underline{\quad}) = \underline{\quad}$
$+$

4) $4 \times 15 = (4 \times 7) + (4 \times \underline{\quad}) = \underline{\quad}$
$+$

5) $6 \times 16 = (6 \times 6) + (6 \times \underline{\quad}) = \underline{\quad}$
$+$

6) $7 \times 13 = (7 \times 5) + (7 \times \underline{\quad}) = \underline{\quad}$
$+$

7) $5 \times 13 = (5 \times 7) + (5 \times \underline{\quad}) = \underline{\quad}$
$+$

8) $13 \times 3 = (5 \times 3) + (\underline{\quad} \times 3) = \underline{\quad}$
$+$

9) $6 \times 17 = (6 \times 7) + (6 \times \underline{\quad}) = \underline{\quad}$
$+$

10) $18 \times 3 = (9 \times 3) + (\underline{\quad} \times 3) = \underline{\quad}$
$+$

Answers

Ex. 144

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

1-10	90	80	70	60	50	40	30	20	10	0

Using Distributive Property Name: **Answer Key**

Use the distributive property to solve each problem.

Ex) $9 \times 16 = (9 \times 9) + (9 \times 7) = 144$
$81 + 63$

1) $3 \times 12 = (3 \times 8) + (3 \times 4) = 36$
$24 + 12$

2) $18 \times 4 = (8 \times 4) + (10 \times 4) = 72$
$32 + 40$

3) $8 \times 18 = (8 \times 8) + (8 \times 10) = 144$
$64 + 80$

4) $4 \times 15 = (4 \times 7) + (4 \times 8) = 60$
$28 + 32$

5) $6 \times 16 = (6 \times 6) + (6 \times 10) = 96$
$36 + 60$

6) $7 \times 13 = (7 \times 5) + (7 \times 8) = 91$
$35 + 56$

7) $5 \times 13 = (5 \times 7) + (5 \times 6) = 65$
$35 + 30$

8) $13 \times 3 = (5 \times 3) + (8 \times 3) = 39$
$15 + 24$

9) $6 \times 17 = (6 \times 7) + (6 \times 10) = 102$
$42 + 60$

10) $18 \times 3 = (9 \times 3) + (9 \times 3) = 54$
$27 + 27$

Answers

Ex. 144
1. 36
2. 72
3. 144
4. 60
5. 96
6. 91
7. 65
8. 39
9. 102
10. 54

1-10	90	80	70	60	50	40	30	20	10	0

Using Distributive Property Name:

Use the distributive property to solve each problem.

Ex) $7 \times 16 = (7 \times 7) + (7 \times \underline{9}) = \underline{112}$
$49 + 63$

1) $14 \times 4 = (4 \times 4) + (\underline{\quad} \times 4) = \underline{\quad}$
+

2) $13 \times 8 = (4 \times 8) + (\underline{\quad} \times 8) = \underline{\quad}$
+

3) $13 \times 6 = (8 \times 6) + (\underline{\quad} \times 6) = \underline{\quad}$
+

4) $7 \times 13 = (7 \times 8) + (7 \times \underline{\quad}) = \underline{\quad}$
+

5) $8 \times 13 = (8 \times 4) + (8 \times \underline{\quad}) = \underline{\quad}$
+

6) $18 \times 5 = (9 \times 5) + (\underline{\quad} \times 5) = \underline{\quad}$
+

7) $7 \times 18 = (7 \times 9) + (7 \times \underline{\quad}) = \underline{\quad}$
+

8) $4 \times 17 = (4 \times 8) + (4 \times \underline{\quad}) = \underline{\quad}$
+

9) $17 \times 3 = (7 \times 3) + (\underline{\quad} \times 3) = \underline{\quad}$
+

10) $18 \times 3 = (8 \times 3) + (\underline{\quad} \times 3) = \underline{\quad}$
+

Answers

Ex. 112

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

1-10	90	80	70	60	50	40	30	20	10	0

Using Distributive Property Name: **Answer Key**

Use the distributive property to solve each problem.

Ex) $7 \times 16 = (7 \times 7) + (7 \times 9) = 49 + 63 = 112$

1) $14 \times 4 = (4 \times 4) + (10 \times 4) = 16 + 40 = 56$

2) $13 \times 8 = (4 \times 8) + (9 \times 8) = 32 + 72 = 104$

3) $13 \times 6 = (8 \times 6) + (5 \times 6) = 48 + 30 = 78$

4) $7 \times 13 = (7 \times 8) + (7 \times 5) = 56 + 35 = 91$

5) $8 \times 13 = (8 \times 4) + (8 \times 9) = 32 + 72 = 104$

6) $18 \times 5 = (9 \times 5) + (9 \times 5) = 45 + 45 = 90$

7) $7 \times 18 = (7 \times 9) + (7 \times 9) = 63 + 63 = 126$

8) $4 \times 17 = (4 \times 8) + (4 \times 9) = 32 + 36 = 68$

9) $17 \times 3 = (7 \times 3) + (10 \times 3) = 21 + 30 = 51$

10) $18 \times 3 = (8 \times 3) + (10 \times 3) = 24 + 30 = 54$

Answers

Ex. 112

1. 56
2. 104
3. 78
4. 91
5. 104
6. 90
7. 126
8. 68
9. 51
10. 54

1-10	90	80	70	60	50	40	30	20	10	0

Use the distributive property to solve each problem.

Ex) $13 \times 5 = (8 \times 5) + (\underline{5} \times 5) = \underline{65}$
$40 + 25$

1) $16 \times 8 = (9 \times 8) + (\underline{\quad} \times 8) = \underline{\quad}$
$+$

2) $16 \times 7 = (7 \times 7) + (\underline{\quad} \times 7) = \underline{\quad}$
$+$

3) $3 \times 18 = (3 \times 9) + (3 \times \underline{\quad}) = \underline{\quad}$
$+$

4) $6 \times 13 = (6 \times 7) + (6 \times \underline{\quad}) = \underline{\quad}$
$+$

5) $17 \times 5 = (8 \times 5) + (\underline{\quad} \times 5) = \underline{\quad}$
$+$

6) $14 \times 8 = (7 \times 8) + (\underline{\quad} \times 8) = \underline{\quad}$
$+$

7) $15 \times 9 = (9 \times 9) + (\underline{\quad} \times 9) = \underline{\quad}$
$+$

8) $17 \times 4 = (7 \times 4) + (\underline{\quad} \times 4) = \underline{\quad}$
$+$

9) $17 \times 5 = (7 \times 5) + (\underline{\quad} \times 5) = \underline{\quad}$
$+$

10) $5 \times 16 = (5 \times 6) + (5 \times \underline{\quad}) = \underline{\quad}$
$+$

Answers

Ex. 65

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

1-10	90	80	70	60	50	40	30	20	10	0

Use the distributive property to solve each problem.

Ex) $13 \times 5 = (8 \times 5) + (5 \times 5) = 40 + 25 = 65$

1) $16 \times 8 = (9 \times 8) + (7 \times 8) = 72 + 56 = 128$

2) $16 \times 7 = (7 \times 7) + (9 \times 7) = 49 + 63 = 112$

3) $3 \times 18 = (3 \times 9) + (3 \times 9) = 27 + 27 = 54$

4) $6 \times 13 = (6 \times 7) + (6 \times 6) = 42 + 36 = 78$

5) $17 \times 5 = (8 \times 5) + (9 \times 5) = 40 + 45 = 85$

6) $14 \times 8 = (7 \times 8) + (7 \times 8) = 56 + 56 = 112$

7) $15 \times 9 = (9 \times 9) + (6 \times 9) = 81 + 54 = 135$

8) $17 \times 4 = (7 \times 4) + (10 \times 4) = 28 + 40 = 68$

9) $17 \times 5 = (7 \times 5) + (10 \times 5) = 35 + 50 = 85$

10) $5 \times 16 = (5 \times 6) + (5 \times 10) = 30 + 50 = 80$

Answers

Ex. 65

1. 128
2. 112
3. 54
4. 78
5. 85
6. 112
7. 135
8. 68
9. 85
10. 80

1-10	90	80	70	60	50	40	30	20	10	0

Using Distributive Property Name:

Use the distributive property to solve each problem.

Ex) $14 \times 3 = (4 \times 3) + (10 \times 3) = 42$
$12 + 30$

1) $3 \times 13 = (3 \times 7) + (3 \times ___) = ___$
$+$

2) $12 \times 3 = (5 \times 3) + (___ \times 3) = ___$
$+$

3) $6 \times 13 = (6 \times 8) + (6 \times ___) = ___$
$+$

4) $6 \times 15 = (6 \times 9) + (6 \times ___) = ___$
$+$

5) $6 \times 13 = (6 \times 4) + (6 \times ___) = ___$
$+$

6) $16 \times 6 = (6 \times 6) + (___ \times 6) = ___$
$+$

7) $6 \times 13 = (6 \times 3) + (6 \times ___) = ___$
$+$

8) $14 \times 8 = (5 \times 8) + (___ \times 8) = ___$
$+$

9) $14 \times 7 = (6 \times 7) + (___ \times 7) = ___$
$+$

10) $6 \times 18 = (6 \times 9) + (6 \times ___) = ___$
$+$

Answers

Ex. 42

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

1-10	90	80	70	60	50	40	30	20	10	0

Using Distributive Property Name: **Answer Key**

Use the distributive property to solve each problem.

Ex) $14 \times 3 = (4 \times 3) + (10 \times 3) = 42$
$12 + 30$

1) $3 \times 13 = (3 \times 7) + (3 \times 6) = 39$
$21 + 18$

2) $12 \times 3 = (5 \times 3) + (7 \times 3) = 36$
$15 + 21$

3) $6 \times 13 = (6 \times 8) + (6 \times 5) = 78$
$48 + 30$

4) $6 \times 15 = (6 \times 9) + (6 \times 6) = 90$
$54 + 36$

5) $6 \times 13 = (6 \times 4) + (6 \times 9) = 78$
$24 + 54$

6) $16 \times 6 = (6 \times 6) + (10 \times 6) = 96$
$36 + 60$

7) $6 \times 13 = (6 \times 3) + (6 \times 10) = 78$
$18 + 60$

8) $14 \times 8 = (5 \times 8) + (9 \times 8) = 112$
$40 + 72$

9) $14 \times 7 = (6 \times 7) + (8 \times 7) = 98$
$42 + 56$

10) $6 \times 18 = (6 \times 9) + (6 \times 9) = 108$
$54 + 54$

Answers

Ex. 42
1. 39
2. 36
3. 78
4. 90
5. 78
6. 96
7. 78
8. 112
9. 98
10. 108

1-10	90	80	70	60	50	40	30	20	10	0

Use the distributive property to solve each problem.

Ex) $6 \times 12 = (6 \times 2) + (6 \times \underline{10}) = \underline{72}$
$12 + 60$

1) $4 \times 17 = (4 \times 9) + (4 \times \underline{\quad}) = \underline{\quad}$
$+$

2) $13 \times 6 = (5 \times 6) + (\underline{\quad} \times 6) = \underline{\quad}$
$+$

3) $7 \times 13 = (7 \times 3) + (7 \times \underline{\quad}) = \underline{\quad}$
$+$

4) $17 \times 8 = (8 \times 8) + (\underline{\quad} \times 8) = \underline{\quad}$
$+$

5) $5 \times 15 = (5 \times 7) + (5 \times \underline{\quad}) = \underline{\quad}$
$+$

6) $7 \times 14 = (7 \times 8) + (7 \times \underline{\quad}) = \underline{\quad}$
$+$

7) $12 \times 7 = (6 \times 7) + (\underline{\quad} \times 7) = \underline{\quad}$
$+$

8) $16 \times 7 = (9 \times 7) + (\underline{\quad} \times 7) = \underline{\quad}$
$+$

9) $16 \times 3 = (8 \times 3) + (\underline{\quad} \times 3) = \underline{\quad}$
$+$

10) $3 \times 15 = (3 \times 5) + (3 \times \underline{\quad}) = \underline{\quad}$
$+$

Answers

Ex. 72

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

1-10	90	80	70	60	50	40	30	20	10	0

Use the distributive property to solve each problem.

Ex) $6 \times 12 = (6 \times 2) + (6 \times \underline{10}) = 12 + 60 = \underline{72}$

1) $4 \times 17 = (4 \times 9) + (4 \times \underline{8}) = 36 + 32 = \underline{68}$

2) $13 \times 6 = (5 \times 6) + (\underline{8} \times 6) = 30 + 48 = \underline{78}$

3) $7 \times 13 = (7 \times 3) + (7 \times \underline{10}) = 21 + 70 = \underline{91}$

4) $17 \times 8 = (8 \times 8) + (\underline{9} \times 8) = 64 + 72 = \underline{136}$

5) $5 \times 15 = (5 \times 7) + (5 \times \underline{8}) = 35 + 40 = \underline{75}$

6) $7 \times 14 = (7 \times 8) + (7 \times \underline{6}) = 56 + 42 = \underline{98}$

7) $12 \times 7 = (6 \times 7) + (\underline{6} \times 7) = 42 + 42 = \underline{84}$

8) $16 \times 7 = (9 \times 7) + (\underline{7} \times 7) = 63 + 49 = \underline{112}$

9) $16 \times 3 = (8 \times 3) + (\underline{8} \times 3) = 24 + 24 = \underline{48}$

10) $3 \times 15 = (3 \times 5) + (3 \times \underline{10}) = 15 + 30 = \underline{45}$

Answers

Ex. 72
1. 68
2. 78
3. 91
4. 136
5. 75
6. 98
7. 84
8. 112
9. 48
10. 45

1-10	90	80	70	60	50	40	30	20	10	0

Use the distributive property to solve each problem.

Ex) $14 \times 5 = (9 \times 5) + (\underline{5} \times 5) = \underline{70}$
$45 + 25$

1) $4 \times 13 = (4 \times 7) + (4 \times \underline{\quad}) = \underline{\quad}$
$+$

2) $7 \times 12 = (7 \times 6) + (7 \times \underline{\quad}) = \underline{\quad}$
$+$

3) $16 \times 8 = (9 \times 8) + (\underline{\quad} \times 8) = \underline{\quad}$
$+$

4) $14 \times 6 = (5 \times 6) + (\underline{\quad} \times 6) = \underline{\quad}$
$+$

5) $6 \times 13 = (6 \times 7) + (6 \times \underline{\quad}) = \underline{\quad}$
$+$

6) $12 \times 7 = (8 \times 7) + (\underline{\quad} \times 7) = \underline{\quad}$
$+$

7) $14 \times 3 = (7 \times 3) + (\underline{\quad} \times 3) = \underline{\quad}$
$+$

8) $5 \times 17 = (5 \times 9) + (5 \times \underline{\quad}) = \underline{\quad}$
$+$

9) $8 \times 16 = (8 \times 7) + (8 \times \underline{\quad}) = \underline{\quad}$
$+$

10) $5 \times 13 = (5 \times 6) + (5 \times \underline{\quad}) = \underline{\quad}$
$+$

Answers

Ex. 70

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

1-10	90	80	70	60	50	40	30	20	10	0

Use the distributive property to solve each problem.

Ex) $14 \times 5 = (9 \times 5) + (5 \times 5) = 45 + 25 = 70$

1) $4 \times 13 = (4 \times 7) + (4 \times 6) = 28 + 24 = 52$

2) $7 \times 12 = (7 \times 6) + (7 \times 6) = 42 + 42 = 84$

3) $16 \times 8 = (9 \times 8) + (7 \times 8) = 72 + 56 = 128$

4) $14 \times 6 = (5 \times 6) + (9 \times 6) = 30 + 54 = 84$

5) $6 \times 13 = (6 \times 7) + (6 \times 6) = 42 + 36 = 78$

6) $12 \times 7 = (8 \times 7) + (4 \times 7) = 56 + 28 = 84$

7) $14 \times 3 = (7 \times 3) + (7 \times 3) = 21 + 21 = 42$

8) $5 \times 17 = (5 \times 9) + (5 \times 8) = 45 + 40 = 85$

9) $8 \times 16 = (8 \times 7) + (8 \times 9) = 56 + 72 = 128$

10) $5 \times 13 = (5 \times 6) + (5 \times 7) = 30 + 35 = 65$

Answers

Ex. 70
1. 52
2. 84
3. 128
4. 84
5. 78
6. 84
7. 42
8. 85
9. 128
10. 65

1-10	90	80	70	60	50	40	30	20	10	0

Use the distributive property to solve each problem.

Ex) $13 \times 6 = (9 \times 6) + (\underline{4} \times 6) = 54 + 24 = 78$

1) $5 \times 14 = (5 \times 9) + (5 \times \underline{\quad}) = \underline{\quad}$ +

2) $16 \times 4 = (9 \times 4) + (\underline{\quad} \times 4) = \underline{\quad}$ +

3) $15 \times 8 = (7 \times 8) + (\underline{\quad} \times 8) = \underline{\quad}$ +

4) $13 \times 3 = (5 \times 3) + (\underline{\quad} \times 3) = \underline{\quad}$ +

5) $12 \times 7 = (9 \times 7) + (\underline{\quad} \times 7) = \underline{\quad}$ +

6) $5 \times 16 = (5 \times 6) + (5 \times \underline{\quad}) = \underline{\quad}$ +

7) $17 \times 3 = (8 \times 3) + (\underline{\quad} \times 3) = \underline{\quad}$ +

8) $18 \times 6 = (9 \times 6) + (\underline{\quad} \times 6) = \underline{\quad}$ +

9) $13 \times 7 = (8 \times 7) + (\underline{\quad} \times 7) = \underline{\quad}$ +

10) $4 \times 15 = (4 \times 6) + (4 \times \underline{\quad}) = \underline{\quad}$ +

Answers

Ex. 78

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

1-10	90	80	70	60	50	40	30	20	10	0

Use the distributive property to solve each problem.

Ex) $13 \times 6 = (9 \times 6) + (\ 4\ \times 6\ ) = 54 + 24 = 78$

1) $5 \times 14 = (5 \times 9) + (\ 5\ \times 5\ ) = 45 + 25 = 70$

2) $16 \times 4 = (9 \times 4) + (\ 7\ \times 4\ ) = 36 + 28 = 64$

3) $15 \times 8 = (7 \times 8) + (\ 8\ \times 8\ ) = 56 + 64 = 120$

4) $13 \times 3 = (5 \times 3) + (\ 8\ \times 3\ ) = 15 + 24 = 39$

5) $12 \times 7 = (9 \times 7) + (\ 3\ \times 7\ ) = 63 + 21 = 84$

6) $5 \times 16 = (5 \times 6) + (\ 5\ \times 10\ ) = 30 + 50 = 80$

7) $17 \times 3 = (8 \times 3) + (\ 9\ \times 3\ ) = 24 + 27 = 51$

8) $18 \times 6 = (9 \times 6) + (\ 9\ \times 6\ ) = 54 + 54 = 108$

9) $13 \times 7 = (8 \times 7) + (\ 5\ \times 7\ ) = 56 + 35 = 91$

10) $4 \times 15 = (4 \times 6) + (\ 4\ \times 9\ ) = 24 + 36 = 60$

Answers

Ex. 78

1. 70
2. 64
3. 120
4. 39
5. 84
6. 80
7. 51
8. 108
9. 91
10. 60

1-10	90	80	70	60	50	40	30	20	10	0

Use the distributive property to solve each problem.

Ex) $16 \times 4 = (7 \times 4) + (\underline{9} \times 4) = 64$
$28 + 36$

1) $6 \times 13 = (6 \times 3) + (6 \times \underline{\quad}) =$
$+$

2) $5 \times 16 = (5 \times 8) + (5 \times \underline{\quad}) =$
$+$

3) $12 \times 6 = (5 \times 6) + (\underline{\quad} \times 6) =$
$+$

4) $4 \times 13 = (4 \times 5) + (4 \times \underline{\quad}) =$
$+$

5) $14 \times 4 = (6 \times 4) + (\underline{\quad} \times 4) =$
$+$

6) $8 \times 15 = (8 \times 7) + (8 \times \underline{\quad}) =$
$+$

7) $17 \times 5 = (8 \times 5) + (\underline{\quad} \times 5) =$
$+$

8) $14 \times 3 = (7 \times 3) + (\underline{\quad} \times 3) =$
$+$

9) $9 \times 16 = (9 \times 6) + (9 \times \underline{\quad}) =$
$+$

10) $13 \times 9 = (7 \times 9) + (\underline{\quad} \times 9) =$
$+$

Answers

Ex. 64

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

1-10	90	80	70	60	50	40	30	20	10	0

Use the distributive property to solve each problem.

Ex) $16 \times 4 = (7 \times 4) + (9 \times 4) = 28 + 36 = 64$

1) $6 \times 13 = (6 \times 3) + (6 \times 10) = 18 + 60 = 78$

2) $5 \times 16 = (5 \times 8) + (5 \times 8) = 40 + 40 = 80$

3) $12 \times 6 = (5 \times 6) + (7 \times 6) = 30 + 42 = 72$

4) $4 \times 13 = (4 \times 5) + (4 \times 8) = 20 + 32 = 52$

5) $14 \times 4 = (6 \times 4) + (8 \times 4) = 24 + 32 = 56$

6) $8 \times 15 = (8 \times 7) + (8 \times 8) = 56 + 64 = 120$

7) $17 \times 5 = (8 \times 5) + (9 \times 5) = 40 + 45 = 85$

8) $14 \times 3 = (7 \times 3) + (7 \times 3) = 21 + 21 = 42$

9) $9 \times 16 = (9 \times 6) + (9 \times 10) = 54 + 90 = 144$

10) $13 \times 9 = (7 \times 9) + (6 \times 9) = 63 + 54 = 117$

Answers

Ex. 64
1. 78
2. 80
3. 72
4. 52
5. 56
6. 120
7. 85
8. 42
9. 144
10. 117

1-10	90	80	70	60	50	40	30	20	10	0