



Use the distributive property to solve each problem.

Answers

$$\text{Ex) } 9 \times 18 = (9 \times 8) + (9 \times 10) = 72 + 90 = 162$$

Ex. 162

$$1) \quad 13 \times 5 = (8 \times 5) + (\quad \times 5) = \quad$$

1. _____

2. _____

$$2) \quad 14 \times 3 = (7 \times 3) + (\quad \times 3) = \quad$$

3. _____

4. _____

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

5. _____

6. _____

$$4) \quad 16 \times 3 = (9 \times 3) + (\quad \times 3) = \quad$$

7. _____

8. _____

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

9. _____

10. _____

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

$$7) \quad 4 \times 18 = (4 \times 9) + (4 \times \quad) = \quad$$

$$8) \quad 18 \times 3 = (9 \times 3) + (\quad \times 3) = \quad$$

$$9) \quad 13 \times 5 = (8 \times 5) + (\quad \times 5) = \quad$$

$$10) \quad 6 \times 14 = (6 \times 4) + (6 \times \quad) = \quad$$



Use the distributive property to solve each problem.

$$\text{Ex) } 9 \times 18 = (9 \times 8) + (9 \times 10) = 72 + 90 = 162$$

$$1) 13 \times 5 = (8 \times 5) + (5 \times 5) = 40 + 25 = 65$$

$$2) 14 \times 3 = (7 \times 3) + (7 \times 3) = 21 + 21 = 42$$

$$3) 17 \times 9 = (8 \times 9) + (9 \times 9) = 72 + 81 = 153$$

$$4) 16 \times 3 = (9 \times 3) + (7 \times 3) = 27 + 21 = 48$$

$$5) 5 \times 14 = (5 \times 8) + (5 \times 6) = 40 + 30 = 70$$

$$6) 9 \times 17 = (9 \times 7) + (9 \times 10) = 63 + 90 = 153$$

$$7) 4 \times 18 = (4 \times 9) + (4 \times 9) = 36 + 36 = 72$$

$$8) 18 \times 3 = (9 \times 3) + (9 \times 3) = 27 + 27 = 54$$

$$9) 13 \times 5 = (8 \times 5) + (5 \times 5) = 40 + 25 = 65$$

$$10) 6 \times 14 = (6 \times 4) + (6 \times 10) = 24 + 60 = 84$$

AnswersEx. **162**1. **65**2. **42**3. **153**4. **48**5. **70**6. **153**7. **72**8. **54**9. **65**10. **84**



Use the distributive property to solve each problem.

Answers

$$\text{Ex) } 9 \times 15 = (9 \times 6) + (9 \times 9) = 54 + 81 = 135$$

Ex. 135

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

1. _____

$$2) \quad 17 \times 3 = (9 \times 3) + (\quad \times 3) = \underline{\quad}$$

2. _____

$$3) \quad 5 \times 17 = (5 \times 9) + (5 \times \quad) = \underline{\quad}$$

3. _____

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

4. _____

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

5. _____

$$6) \quad 4 \times 16 = (4 \times 8) + (4 \times \quad) = \underline{\quad}$$

6. _____

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

7. _____

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

8. _____

$$9) \quad 6 \times 12 = (6 \times 4) + (6 \times \quad) = \underline{\quad}$$

9. _____

$$10) \quad 3 \times 16 = (3 \times 9) + (3 \times \quad) = \underline{\quad}$$

10. _____



Use the distributive property to solve each problem.

$$\text{Ex) } 9 \times 15 = (9 \times 6) + (9 \times 9) = 54 + 81 = 135$$

$$1) \quad 14 \times 3 = (7 \times 3) + (7 \times 3) = 21 + 21 = 42$$

$$2) \quad 17 \times 3 = (9 \times 3) + (8 \times 3) = 27 + 24 = 51$$

$$3) \quad 5 \times 17 = (5 \times 9) + (5 \times 8) = 45 + 40 = 85$$

$$4) \quad 5 \times 14 = (5 \times 4) + (5 \times 10) = 20 + 50 = 70$$

$$5) \quad 7 \times 15 = (7 \times 7) + (7 \times 8) = 49 + 56 = 105$$

$$6) \quad 4 \times 16 = (4 \times 8) + (4 \times 8) = 32 + 32 = 64$$

$$7) \quad 16 \times 7 = (8 \times 7) + (8 \times 7) = 56 + 56 = 112$$

$$8) \quad 16 \times 8 = (8 \times 8) + (8 \times 8) = 64 + 64 = 128$$

$$9) \quad 6 \times 12 = (6 \times 4) + (6 \times 8) = 24 + 48 = 72$$

$$10) \quad 3 \times 16 = (3 \times 9) + (3 \times 7) = 27 + 21 = 48$$

AnswersEx. **135**1. **42**2. **51**3. **85**4. **70**5. **105**6. **64**7. **112**8. **128**9. **72**10. **48**



Use the distributive property to solve each problem.

Answers

$$\text{Ex) } 17 \times 8 = (8 \times 8) + \left(\frac{9}{64} \times 8 \right) = \underline{136}$$

Ex. 136

$$1) \quad 14 \times 4 = (6 \times 4) + \left(\frac{\quad}{\quad} \times 4 \right) = \underline{\quad}$$

1. _____

$$2) \quad 6 \times 12 = (6 \times 3) + \left(6 \times \frac{\quad}{\quad} \right) = \underline{\quad}$$

2. _____

$$3) \quad 4 \times 16 = (4 \times 6) + \left(4 \times \frac{\quad}{\quad} \right) = \underline{\quad}$$

3. _____

$$4) \quad 9 \times 14 = (9 \times 6) + \left(9 \times \frac{\quad}{\quad} \right) = \underline{\quad}$$

4. _____

$$5) \quad 16 \times 4 = (7 \times 4) + \left(\frac{\quad}{\quad} \times 4 \right) = \underline{\quad}$$

5. _____

$$6) \quad 9 \times 17 = (9 \times 8) + \left(9 \times \frac{\quad}{\quad} \right) = \underline{\quad}$$

6. _____

$$7) \quad 12 \times 4 = (9 \times 4) + \left(\frac{\quad}{\quad} \times 4 \right) = \underline{\quad}$$

7. _____

$$8) \quad 9 \times 14 = (9 \times 8) + \left(9 \times \frac{\quad}{\quad} \right) = \underline{\quad}$$

8. _____

$$9) \quad 6 \times 15 = (6 \times 6) + \left(6 \times \frac{\quad}{\quad} \right) = \underline{\quad}$$

9. _____

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

10. _____



Use the distributive property to solve each problem.

$$\text{Ex) } 17 \times 8 = (8 \times 8) + \left(\frac{9}{64} \times 8 \right) = \underline{136}$$

$$1) 14 \times 4 = (6 \times 4) + \left(\frac{8}{24} \times 4 \right) = \underline{56}$$

$$2) 6 \times 12 = (6 \times 3) + \left(6 \times \frac{9}{54} \right) = \underline{72}$$

$$3) 4 \times 16 = (4 \times 6) + \left(4 \times \frac{10}{40} \right) = \underline{64}$$

$$4) 9 \times 14 = (9 \times 6) + \left(9 \times \frac{8}{72} \right) = \underline{126}$$

$$5) 16 \times 4 = (7 \times 4) + \left(\frac{9}{28} \times 4 \right) = \underline{64}$$

$$6) 9 \times 17 = (9 \times 8) + \left(9 \times \frac{9}{81} \right) = \underline{153}$$

$$7) 12 \times 4 = (9 \times 4) + \left(\frac{3}{36} \times 4 \right) = \underline{48}$$

$$8) 9 \times 14 = (9 \times 8) + \left(9 \times \frac{6}{54} \right) = \underline{126}$$

$$9) 6 \times 15 = (6 \times 6) + \left(6 \times \frac{9}{54} \right) = \underline{90}$$

$$10) 7 \times 13 = (7 \times 9) + \left(7 \times \frac{4}{28} \right) = \underline{91}$$

AnswersEx. 1361. 562. 723. 644. 1265. 646. 1537. 488. 1269. 9010. 91



Use the distributive property to solve each problem.

Answers

$$\text{Ex) } 15 \times 3 = (9 \times 3) + \left(\underset{27}{6} \times 3 \right) = \underset{45}{18}$$

Ex. 45

$$1) \quad 13 \times 5 = (4 \times 5) + \left(\underline{\quad} \times 5 \right) = \underline{\quad}$$

1. _____

$$2) \quad 5 \times 18 = (5 \times 8) + \left(5 \times \underline{\quad} \right) = \underline{\quad}$$

2. _____

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

3. _____

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

4. _____

$$5) \quad 4 \times 13 = (4 \times 9) + \left(4 \times \underline{\quad} \right) = \underline{\quad}$$

5. _____

$$6) \quad 5 \times 15 = (5 \times 8) + \left(5 \times \underline{\quad} \right) = \underline{\quad}$$

6. _____

$$7) \quad 5 \times 16 = (5 \times 7) + \left(5 \times \underline{\quad} \right) = \underline{\quad}$$

7. _____

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

8. _____

$$9) \quad 16 \times 3 = (6 \times 3) + \left(\underline{\quad} \times 3 \right) = \underline{\quad}$$

9. _____

$$10) \quad 7 \times 12 = (7 \times 7) + \left(7 \times \underline{\quad} \right) = \underline{\quad}$$

10. _____



Use the distributive property to solve each problem.

$$\text{Ex) } 15 \times 3 = (9 \times 3) + \left(\frac{6}{27} \times 3 \right) = \underline{45}$$

$$1) \quad 13 \times 5 = (4 \times 5) + \left(\frac{9}{20} \times 5 \right) = \underline{65}$$

$$2) \quad 5 \times 18 = (5 \times 8) + \left(5 \times \frac{10}{50} \right) = \underline{90}$$

$$3) \quad 7 \times 12 = (7 \times 6) + \left(7 \times \frac{6}{42} \right) = \underline{84}$$

$$4) \quad 8 \times 17 = (8 \times 7) + \left(8 \times \frac{10}{80} \right) = \underline{136}$$

$$5) \quad 4 \times 13 = (4 \times 9) + \left(4 \times \frac{4}{16} \right) = \underline{52}$$

$$6) \quad 5 \times 15 = (5 \times 8) + \left(5 \times \frac{7}{35} \right) = \underline{75}$$

$$7) \quad 5 \times 16 = (5 \times 7) + \left(5 \times \frac{9}{45} \right) = \underline{80}$$

$$8) \quad 16 \times 9 = (9 \times 9) + \left(\frac{7}{81} \times 9 \right) = \underline{144}$$

$$9) \quad 16 \times 3 = (6 \times 3) + \left(\frac{10}{18} \times 3 \right) = \underline{48}$$

$$10) \quad 7 \times 12 = (7 \times 7) + \left(7 \times \frac{5}{35} \right) = \underline{84}$$

AnswersEx. 451. 652. 903. 844. 1365. 526. 757. 808. 1449. 4810. 84



Use the distributive property to solve each problem.

Answers

$$\text{Ex) } 8 \times 15 = (8 \times 8) + (8 \times 7) = 64 + 56 = 120$$

Ex. 120

$$1) \quad 17 \times 9 = (8 \times 9) + (\quad \times 9) = \quad$$

1. _____

2. _____

$$2) \quad 13 \times 8 = (5 \times 8) + (\quad \times 8) = \quad$$

3. _____

4. _____

$$3) \quad 4 \times 12 = (4 \times 6) + (4 \times \quad) = \quad$$

5. _____

6. _____

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

7. _____

8. _____

$$5) \quad 4 \times 15 = (4 \times 5) + (4 \times \quad) = \quad$$

9. _____

10. _____

$$6) \quad 17 \times 5 = (7 \times 5) + (\quad \times 5) = \quad$$

$$7) \quad 13 \times 6 = (8 \times 6) + (\quad \times 6) = \quad$$

$$8) \quad 17 \times 6 = (8 \times 6) + (\quad \times 6) = \quad$$

$$9) \quad 7 \times 14 = (7 \times 4) + (7 \times \quad) = \quad$$

$$10) \quad 9 \times 13 = (9 \times 8) + (9 \times \quad) = \quad$$



Use the distributive property to solve each problem.

$$\text{Ex) } 8 \times 15 = (8 \times 8) + (8 \times \underline{7}) = \underline{120}$$

64 + 56

$$1) \quad 17 \times 9 = (8 \times 9) + (\underline{9} \times 9) = \underline{153}$$

72 + 81

$$2) \quad 13 \times 8 = (5 \times 8) + (\underline{8} \times 8) = \underline{104}$$

40 + 64

$$3) \quad 4 \times 12 = (4 \times 6) + (4 \times \underline{6}) = \underline{48}$$

24 + 24

$$4) \quad 15 \times 9 = (6 \times 9) + (\underline{9} \times 9) = \underline{135}$$

54 + 81

$$5) \quad 4 \times 15 = (4 \times 5) + (4 \times \underline{10}) = \underline{60}$$

20 + 40

$$6) \quad 17 \times 5 = (7 \times 5) + (\underline{10} \times 5) = \underline{85}$$

35 + 50

$$7) \quad 13 \times 6 = (8 \times 6) + (\underline{5} \times 6) = \underline{78}$$

48 + 30

$$8) \quad 17 \times 6 = (8 \times 6) + (\underline{9} \times 6) = \underline{102}$$

48 + 54

$$9) \quad 7 \times 14 = (7 \times 4) + (7 \times \underline{10}) = \underline{98}$$

28 + 70

$$10) \quad 9 \times 13 = (9 \times 8) + (9 \times \underline{5}) = \underline{117}$$

72 + 45

AnswersEx. 1201. 1532. 1043. 484. 1355. 606. 857. 788. 1029. 9810. 117



Use the distributive property to solve each problem.

Answers

$$\text{Ex) } 3 \times 17 = (3 \times 7) + (3 \times \underline{10}) = \underline{51}$$

21 30

Ex. 51

$$1) \quad 3 \times 12 = (3 \times 2) + (3 \times \underline{\quad}) = \underline{\quad}$$

1. _____

2. _____

$$2) \quad 14 \times 9 = (4 \times 9) + (\underline{\quad} \times 9) = \underline{\quad}$$

3. _____

4. _____

$$3) \quad 14 \times 6 = (7 \times 6) + (\underline{\quad} \times 6) = \underline{\quad}$$

5. _____

6. _____

$$4) \quad 17 \times 3 = (8 \times 3) + (\underline{\quad} \times 3) = \underline{\quad}$$

7. _____

8. _____

$$5) \quad 4 \times 12 = (4 \times 9) + (4 \times \underline{\quad}) = \underline{\quad}$$

9. _____

10. _____

$$6) \quad 9 \times 15 = (9 \times 8) + (9 \times \underline{\quad}) = \underline{\quad}$$

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

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

$$9) \quad 15 \times 5 = (6 \times 5) + (\underline{\quad} \times 5) = \underline{\quad}$$

$$10) \quad 13 \times 3 = (8 \times 3) + (\underline{\quad} \times 3) = \underline{\quad}$$



Use the distributive property to solve each problem.

$$\text{Ex) } 3 \times 17 = (3 \times 7) + (3 \times 10) = 21 + 30 = 51$$

$$1) 3 \times 12 = (3 \times 2) + (3 \times 10) = 6 + 30 = 36$$

$$2) 14 \times 9 = (4 \times 9) + (10 \times 9) = 36 + 90 = 126$$

$$3) 14 \times 6 = (7 \times 6) + (7 \times 6) = 42 + 42 = 84$$

$$4) 17 \times 3 = (8 \times 3) + (9 \times 3) = 24 + 27 = 51$$

$$5) 4 \times 12 = (4 \times 9) + (4 \times 3) = 36 + 12 = 48$$

$$6) 9 \times 15 = (9 \times 8) + (9 \times 7) = 72 + 63 = 135$$

$$7) 14 \times 9 = (7 \times 9) + (7 \times 9) = 63 + 63 = 126$$

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

$$9) 15 \times 5 = (6 \times 5) + (9 \times 5) = 30 + 45 = 75$$

$$10) 13 \times 3 = (8 \times 3) + (5 \times 3) = 24 + 15 = 39$$

AnswersEx. 511. 362. 1263. 844. 515. 486. 1357. 1268. 1129. 7510. 39



Use the distributive property to solve each problem.

Answers

$$\text{Ex) } 14 \times 4 = (5 \times 4) + (\underline{9} \times 4) = \underline{56}$$

$\begin{array}{r} 20 \\ + \end{array}$ $\begin{array}{r} 36 \\ + \end{array}$ $\begin{array}{r} 56 \end{array}$

Ex. 56

$$1) \quad 6 \times 18 = (6 \times 9) + (6 \times \underline{\quad}) = \underline{\quad}$$

1. _____

$$2) \quad 3 \times 16 = (3 \times 6) + (3 \times \underline{\quad}) = \underline{\quad}$$

2. _____

$$3) \quad 18 \times 6 = (8 \times 6) + (\underline{\quad} \times 6) = \underline{\quad}$$

3. _____

$$4) \quad 14 \times 4 = (7 \times 4) + (\underline{\quad} \times 4) = \underline{\quad}$$

4. _____

$$5) \quad 13 \times 6 = (9 \times 6) + (\underline{\quad} \times 6) = \underline{\quad}$$

5. _____

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

6. _____

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

7. _____

$$8) \quad 5 \times 12 = (5 \times 7) + (5 \times \underline{\quad}) = \underline{\quad}$$

8. _____

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

9. _____

$$10) \quad 6 \times 17 = (6 \times 9) + (6 \times \underline{\quad}) = \underline{\quad}$$

10. _____



Use the distributive property to solve each problem.

$$\text{Ex) } 14 \times 4 = (5 \times 4) + (\underline{9} \times 4) = \underline{56}$$

$\begin{smallmatrix} 20 \\ + \end{smallmatrix}$ $\begin{smallmatrix} 36 \\ + \end{smallmatrix}$ $\begin{smallmatrix} 56 \end{smallmatrix}$

$$1) \quad 6 \times 18 = (6 \times 9) + (6 \times \underline{9}) = \underline{108}$$

$\begin{smallmatrix} 54 \\ + \end{smallmatrix}$ $\begin{smallmatrix} 54 \\ + \end{smallmatrix}$ $\begin{smallmatrix} 108 \end{smallmatrix}$

$$2) \quad 3 \times 16 = (3 \times 6) + (3 \times \underline{10}) = \underline{48}$$

$\begin{smallmatrix} 18 \\ + \end{smallmatrix}$ $\begin{smallmatrix} 30 \\ + \end{smallmatrix}$ $\begin{smallmatrix} 48 \end{smallmatrix}$

$$3) \quad 18 \times 6 = (8 \times 6) + (\underline{10} \times 6) = \underline{108}$$

$\begin{smallmatrix} 48 \\ + \end{smallmatrix}$ $\begin{smallmatrix} 60 \\ + \end{smallmatrix}$ $\begin{smallmatrix} 108 \end{smallmatrix}$

$$4) \quad 14 \times 4 = (7 \times 4) + (\underline{7} \times 4) = \underline{56}$$

$\begin{smallmatrix} 28 \\ + \end{smallmatrix}$ $\begin{smallmatrix} 28 \\ + \end{smallmatrix}$ $\begin{smallmatrix} 56 \end{smallmatrix}$

$$5) \quad 13 \times 6 = (9 \times 6) + (\underline{4} \times 6) = \underline{78}$$

$\begin{smallmatrix} 54 \\ + \end{smallmatrix}$ $\begin{smallmatrix} 24 \\ + \end{smallmatrix}$ $\begin{smallmatrix} 78 \end{smallmatrix}$

$$6) \quad 9 \times 18 = (9 \times 9) + (9 \times \underline{9}) = \underline{162}$$

$\begin{smallmatrix} 81 \\ + \end{smallmatrix}$ $\begin{smallmatrix} 81 \\ + \end{smallmatrix}$ $\begin{smallmatrix} 162 \end{smallmatrix}$

$$7) \quad 7 \times 15 = (7 \times 7) + (7 \times \underline{8}) = \underline{105}$$

$\begin{smallmatrix} 49 \\ + \end{smallmatrix}$ $\begin{smallmatrix} 56 \\ + \end{smallmatrix}$ $\begin{smallmatrix} 105 \end{smallmatrix}$

$$8) \quad 5 \times 12 = (5 \times 7) + (5 \times \underline{5}) = \underline{60}$$

$\begin{smallmatrix} 35 \\ + \end{smallmatrix}$ $\begin{smallmatrix} 25 \\ + \end{smallmatrix}$ $\begin{smallmatrix} 60 \end{smallmatrix}$

$$9) \quad 14 \times 6 = (6 \times 6) + (\underline{8} \times 6) = \underline{84}$$

$\begin{smallmatrix} 36 \\ + \end{smallmatrix}$ $\begin{smallmatrix} 48 \\ + \end{smallmatrix}$ $\begin{smallmatrix} 84 \end{smallmatrix}$

$$10) \quad 6 \times 17 = (6 \times 9) + (6 \times \underline{8}) = \underline{102}$$

$\begin{smallmatrix} 54 \\ + \end{smallmatrix}$ $\begin{smallmatrix} 48 \\ + \end{smallmatrix}$ $\begin{smallmatrix} 102 \end{smallmatrix}$

AnswersEx. 561. 1082. 483. 1084. 565. 786. 1627. 1058. 609. 8410. 102



Use the distributive property to solve each problem.

Answers

$$\text{Ex) } 6 \times 15 = (6 \times 6) + (6 \times 9) = 36 + 54 = 90$$

Ex. 90

$$1) \quad 14 \times 6 = (9 \times 6) + (\quad \times 6) = \quad + \quad = \quad$$

1. _____

2. _____

$$2) \quad 7 \times 17 = (7 \times 7) + (7 \times \quad) = \quad + \quad = \quad$$

3. _____

4. _____

$$3) \quad 7 \times 18 = (7 \times 8) + (7 \times \quad) = \quad + \quad = \quad$$

5. _____

6. _____

$$4) \quad 6 \times 14 = (6 \times 6) + (6 \times \quad) = \quad + \quad = \quad$$

7. _____

8. _____

$$5) \quad 17 \times 5 = (7 \times 5) + (\quad \times 5) = \quad + \quad = \quad$$

9. _____

10. _____

$$6) \quad 14 \times 3 = (4 \times 3) + (\quad \times 3) = \quad + \quad = \quad$$

$$7) \quad 8 \times 13 = (8 \times 5) + (8 \times \quad) = \quad + \quad = \quad$$

$$8) \quad 9 \times 13 = (9 \times 8) + (9 \times \quad) = \quad + \quad = \quad$$

$$9) \quad 18 \times 5 = (8 \times 5) + (\quad \times 5) = \quad + \quad = \quad$$

$$10) \quad 18 \times 4 = (9 \times 4) + (\quad \times 4) = \quad + \quad = \quad$$



Use the distributive property to solve each problem.

$$\text{Ex) } 6 \times 15 = (6 \times 6) + (6 \times 9) = 36 + 54 = 90$$

$$1) 14 \times 6 = (9 \times 6) + (5 \times 6) = 54 + 30 = 84$$

$$2) 7 \times 17 = (7 \times 7) + (7 \times 10) = 49 + 70 = 119$$

$$3) 7 \times 18 = (7 \times 8) + (7 \times 10) = 56 + 70 = 126$$

$$4) 6 \times 14 = (6 \times 6) + (6 \times 8) = 36 + 48 = 84$$

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

$$6) 14 \times 3 = (4 \times 3) + (10 \times 3) = 12 + 30 = 42$$

$$7) 8 \times 13 = (8 \times 5) + (8 \times 8) = 40 + 64 = 104$$

$$8) 9 \times 13 = (9 \times 8) + (9 \times 5) = 72 + 45 = 117$$

$$9) 18 \times 5 = (8 \times 5) + (10 \times 5) = 40 + 50 = 90$$

$$10) 18 \times 4 = (9 \times 4) + (9 \times 4) = 36 + 36 = 72$$

AnswersEx. **90**1. **84**2. **119**3. **126**4. **84**5. **85**6. **42**7. **104**8. **117**9. **90**10. **72**



Use the distributive property to solve each problem.

Answers

$$\text{Ex) } 4 \times 14 = (4 \times 9) + (4 \times \underline{5}) = \underline{56}$$

$\begin{array}{r} 36 \\ + \\ 20 \\ \hline \end{array}$

Ex. 56

$$1) \quad 13 \times 9 = (4 \times 9) + (\underline{\quad} \times 9) = \underline{\quad}$$

1. _____

2. _____

$$2) \quad 6 \times 13 = (6 \times 8) + (6 \times \underline{\quad}) = \underline{\quad}$$

3. _____

4. _____

$$3) \quad 7 \times 15 = (7 \times 5) + (7 \times \underline{\quad}) = \underline{\quad}$$

5. _____

6. _____

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

7. _____

8. _____

$$5) \quad 7 \times 16 = (7 \times 6) + (7 \times \underline{\quad}) = \underline{\quad}$$

9. _____

10. _____

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

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

$$8) \quad 18 \times 5 = (8 \times 5) + (\underline{\quad} \times 5) = \underline{\quad}$$

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

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



Use the distributive property to solve each problem.

$$\text{Ex) } 4 \times 14 = (4 \times 9) + (4 \times 5) = 36 + 20 = 56$$

$$1) 13 \times 9 = (4 \times 9) + (9 \times 9) = 36 + 81 = 117$$

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

$$3) 7 \times 15 = (7 \times 5) + (7 \times 10) = 35 + 70 = 105$$

$$4) 13 \times 4 = (3 \times 4) + (10 \times 4) = 12 + 40 = 52$$

$$5) 7 \times 16 = (7 \times 6) + (7 \times 10) = 42 + 70 = 112$$

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

$$7) 16 \times 7 = (6 \times 7) + (10 \times 7) = 42 + 70 = 112$$

$$8) 18 \times 5 = (8 \times 5) + (10 \times 5) = 40 + 50 = 90$$

$$9) 14 \times 9 = (6 \times 9) + (8 \times 9) = 54 + 72 = 126$$

$$10) 9 \times 12 = (9 \times 9) + (9 \times 3) = 81 + 27 = 108$$

AnswersEx. **56**1. **117**2. **78**3. **105**4. **52**5. **112**6. **65**7. **112**8. **90**9. **126**10. **108**



Use the distributive property to solve each problem.

Answers

$$\text{Ex) } 17 \times 4 = (8 \times 4) + (\underline{9} \times 4) = \underline{68}$$

$\begin{array}{r} 32 \\ + \\ \hline \end{array}$ $\begin{array}{r} 36 \\ + \\ \hline \end{array}$ $\begin{array}{r} 68 \\ + \\ \hline \end{array}$

Ex. 68

$$1) \quad 7 \times 17 = (7 \times 9) + (\quad 7 \times \quad) = \underline{\quad}$$

1. _____

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

2. _____

$$3) \quad 9 \times 15 = (9 \times 9) + (\quad 9 \times \quad) = \underline{\quad}$$

3. _____

$$4) \quad 4 \times 14 = (4 \times 9) + (\quad 4 \times \quad) = \underline{\quad}$$

4. _____

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

5. _____

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

6. _____

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

7. _____

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

8. _____

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

9. _____

$$10) \quad 5 \times 14 = (5 \times 7) + (\quad 5 \times \quad) = \underline{\quad}$$

10. _____



Use the distributive property to solve each problem.

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

$$1) 7 \times 17 = (7 \times 9) + (7 \times 8) = 63 + 56 = 119$$

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

$$3) 9 \times 15 = (9 \times 9) + (9 \times 6) = 81 + 54 = 135$$

$$4) 4 \times 14 = (4 \times 9) + (4 \times 5) = 36 + 20 = 56$$

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

$$6) 6 \times 18 = (6 \times 8) + (6 \times 10) = 48 + 60 = 108$$

$$7) 13 \times 3 = (3 \times 3) + (10 \times 3) = 9 + 30 = 39$$

$$8) 14 \times 8 = (6 \times 8) + (8 \times 8) = 48 + 64 = 112$$

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

$$10) 5 \times 14 = (5 \times 7) + (5 \times 7) = 35 + 35 = 70$$

AnswersEx. **68**1. **119**2. **128**3. **135**4. **56**5. **56**6. **108**7. **39**8. **112**9. **135**10. **70**