



Use the distributive property to solve each problem.

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

72                      90

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

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

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

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

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

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

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

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

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

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

**Answers**Ex. 162

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Use the distributive property to solve each problem.

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

$$\quad \quad \quad 72 \quad + \quad 90$$

$$1) \quad 13 \times 5 = (8 \times 5) + (\underline{5} \times 5) = \underline{65}$$

$$\quad \quad \quad 40 \quad + \quad 25$$

$$2) \quad 14 \times 3 = (7 \times 3) + (\underline{7} \times 3) = \underline{42}$$

$$\quad \quad \quad 21 \quad + \quad 21$$

$$3) \quad 17 \times 9 = (8 \times 9) + (\underline{9} \times 9) = \underline{153}$$

$$\quad \quad \quad 72 \quad + \quad 81$$

$$4) \quad 16 \times 3 = (9 \times 3) + (\underline{7} \times 3) = \underline{48}$$

$$\quad \quad \quad 27 \quad + \quad 21$$

$$5) \quad 5 \times 14 = (5 \times 8) + (5 \times \underline{6}) = \underline{70}$$

$$\quad \quad \quad 40 \quad + \quad 30$$

$$6) \quad 9 \times 17 = (9 \times 7) + (9 \times \underline{10}) = \underline{153}$$

$$\quad \quad \quad 63 \quad + \quad 90$$

$$7) \quad 4 \times 18 = (4 \times 9) + (4 \times \underline{9}) = \underline{72}$$

$$\quad \quad \quad 36 \quad + \quad 36$$

$$8) \quad 18 \times 3 = (9 \times 3) + (\underline{9} \times 3) = \underline{54}$$

$$\quad \quad \quad 27 \quad + \quad 27$$

$$9) \quad 13 \times 5 = (8 \times 5) + (\underline{5} \times 5) = \underline{65}$$

$$\quad \quad \quad 40 \quad + \quad 25$$

$$10) \quad 6 \times 14 = (6 \times 4) + (6 \times \underline{10}) = \underline{84}$$

$$\quad \quad \quad 24 \quad + \quad 60$$

AnswersEx. 1621. 652. 423. 1534. 485. 706. 1537. 728. 549. 6510. 84



Use the distributive property to solve each problem.

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

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

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

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

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

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

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

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

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

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

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

AnswersEx. 135

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9. \_\_\_\_\_

10. \_\_\_\_\_



Use the distributive property to solve each problem.

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

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

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

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

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

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

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

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

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

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

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

AnswersEx. 1351. 422. 513. 854. 705. 1056. 647. 1128. 1289. 7210. 48



Use the distributive property to solve each problem.

$$\text{Ex) } 17 \times 8 = (8 \times 8) + (9 \times 8) = 64 + 72 = 136$$

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

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

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

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

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

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

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

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

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

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

**Answers**Ex. 136

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

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9. \_\_\_\_\_

10. \_\_\_\_\_



Use the distributive property to solve each problem.

$$\text{Ex) } 17 \times 8 = (8 \times 8) + \left( \frac{9}{72} \times 8 \right) = \underline{136}$$

64 +

$$1) 14 \times 4 = (6 \times 4) + \left( \frac{8}{32} \times 4 \right) = \underline{56}$$

24 +

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

18 +

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

24 +

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

54 +

$$5) 16 \times 4 = (7 \times 4) + \left( \frac{9}{36} \times 4 \right) = \underline{64}$$

28 +

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

72 +

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

36 +

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

72 +

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

36 +

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

63 +

**Answers**Ex. 1361. 562. 723. 644. 1265. 646. 1537. 488. 1269. 9010. 91



Use the distributive property to solve each problem.

Answers

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

27 + 18

Ex. 45

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

+

1. \_\_\_\_\_

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

+

2. \_\_\_\_\_

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

+

3. \_\_\_\_\_

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

+

4. \_\_\_\_\_

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

+

5. \_\_\_\_\_

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

+

6. \_\_\_\_\_

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

+

7. \_\_\_\_\_

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

+

8. \_\_\_\_\_

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

+

9. \_\_\_\_\_

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

+

10. \_\_\_\_\_



Use the distributive property to solve each problem.

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

$$1) 13 \times 5 = (4 \times 5) + \left( \frac{9}{45} \times 5 \right) = \underline{65}$$

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

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

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

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

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

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

$$8) 16 \times 9 = (9 \times 9) + \left( \frac{7}{63} \times 9 \right) = \underline{144}$$

$$9) 16 \times 3 = (6 \times 3) + \left( \frac{10}{30} \times 3 \right) = \underline{48}$$

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

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





Use the distributive property to solve each problem.

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

$64$  $56$  $120$

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

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

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

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

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

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

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

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

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

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

**Answers**Ex. 120

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4. \_\_\_\_\_

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6. \_\_\_\_\_

7. \_\_\_\_\_

8. \_\_\_\_\_

9. \_\_\_\_\_

10. \_\_\_\_\_



Use the distributive property to solve each problem.

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

$$\quad \quad \quad 64 \quad + \quad 56$$

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

$$\quad \quad \quad 72 \quad + \quad 81$$

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

$$\quad \quad \quad 40 \quad + \quad 64$$

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

$$\quad \quad \quad 24 \quad + \quad 24$$

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

$$\quad \quad \quad 54 \quad + \quad 81$$

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

$$\quad \quad \quad 20 \quad + \quad 40$$

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

$$\quad \quad \quad 35 \quad + \quad 50$$

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

$$\quad \quad \quad 48 \quad + \quad 30$$

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

$$\quad \quad \quad 48 \quad + \quad 54$$

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

$$\quad \quad \quad 28 \quad + \quad 70$$

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

$$\quad \quad \quad 72 \quad + \quad 45$$

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



Use the distributive property to solve each problem.

Answers

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

$\begin{array}{r} 21 \\ + \\ 30 \\ \hline \end{array}$

Ex. 51

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

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

1. \_\_\_\_\_

2. \_\_\_\_\_

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

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

3. \_\_\_\_\_

4. \_\_\_\_\_

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

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

5. \_\_\_\_\_

6. \_\_\_\_\_

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

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

7. \_\_\_\_\_

8. \_\_\_\_\_

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

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

9. \_\_\_\_\_

10. \_\_\_\_\_

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

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

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

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

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

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

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

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

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

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



Use the distributive property to solve each problem.

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

21 30 51

$$1) 3 \times 12 = (3 \times 2) + (3 \times \underline{10}) = \underline{36}$$

6 30 36

$$2) 14 \times 9 = (4 \times 9) + (\underline{10} \times 9) = \underline{126}$$

36 90 126

$$3) 14 \times 6 = (7 \times 6) + (\underline{7} \times 6) = \underline{84}$$

42 42 84

$$4) 17 \times 3 = (8 \times 3) + (\underline{9} \times 3) = \underline{51}$$

24 27 51

$$5) 4 \times 12 = (4 \times 9) + (4 \times \underline{3}) = \underline{48}$$

36 12 48

$$6) 9 \times 15 = (9 \times 8) + (9 \times \underline{7}) = \underline{135}$$

72 63 135

$$7) 14 \times 9 = (7 \times 9) + (\underline{7} \times 9) = \underline{126}$$

63 63 126

$$8) 8 \times 14 = (8 \times 7) + (8 \times \underline{7}) = \underline{112}$$

56 56 112

$$9) 15 \times 5 = (6 \times 5) + (\underline{9} \times 5) = \underline{75}$$

30 45 75

$$10) 13 \times 3 = (8 \times 3) + (\underline{5} \times 3) = \underline{39}$$

24 15 39

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



Use the distributive property to solve each problem.

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

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

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

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

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

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

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

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

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

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

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

AnswersEx. 56

1. \_\_\_\_\_

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9. \_\_\_\_\_

10. \_\_\_\_\_



Use the distributive property to solve each problem.

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

$$1) 6 \times 18 = (6 \times 9) + (6 \times 9) = 54 + 54 = 108$$

$$2) 3 \times 16 = (3 \times 6) + (3 \times 10) = 18 + 30 = 48$$

$$3) 18 \times 6 = (8 \times 6) + (10 \times 6) = 48 + 60 = 108$$

$$4) 14 \times 4 = (7 \times 4) + (7 \times 4) = 28 + 28 = 56$$

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

$$6) 9 \times 18 = (9 \times 9) + (9 \times 9) = 81 + 81 = 162$$

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

$$8) 5 \times 12 = (5 \times 7) + (5 \times 5) = 35 + 25 = 60$$

$$9) 14 \times 6 = (6 \times 6) + (8 \times 6) = 36 + 48 = 84$$

$$10) 6 \times 17 = (6 \times 9) + (6 \times 8) = 54 + 48 = 102$$

**Answers**Ex. 561. 1082. 483. 1084. 565. 786. 1627. 1058. 609. 8410. 102



Use the distributive property to solve each problem.

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

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

$$2) \quad 7 \times 17 = (7 \times 7) + (7 \times \quad) = \underline{\quad}$$

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

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

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

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

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

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

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

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

AnswersEx. 90

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

7. \_\_\_\_\_

8. \_\_\_\_\_

9. \_\_\_\_\_

10. \_\_\_\_\_



Use the distributive property to solve each problem.

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

36      +      54

$$1) \quad 14 \times 6 = (9 \times 6) + (\underline{5} \times 6) = \underline{84}$$

54      +      30

$$2) \quad 7 \times 17 = (7 \times 7) + (7 \times \underline{10}) = \underline{119}$$

49      +      70

$$3) \quad 7 \times 18 = (7 \times 8) + (7 \times \underline{10}) = \underline{126}$$

56      +      70

$$4) \quad 6 \times 14 = (6 \times 6) + (6 \times \underline{8}) = \underline{84}$$

36      +      48

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

35      +      50

$$6) \quad 14 \times 3 = (4 \times 3) + (\underline{10} \times 3) = \underline{42}$$

12      +      30

$$7) \quad 8 \times 13 = (8 \times 5) + (8 \times \underline{8}) = \underline{104}$$

40      +      64

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

72      +      45

$$9) \quad 18 \times 5 = (8 \times 5) + (\underline{10} \times 5) = \underline{90}$$

40      +      50

$$10) \quad 18 \times 4 = (9 \times 4) + (\underline{9} \times 4) = \underline{72}$$

36      +      36

AnswersEx. 901. 842. 1193. 1264. 845. 856. 427. 1048. 1179. 9010. 72





Use the distributive property to solve each problem.

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

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

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

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

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

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

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

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

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

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

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

AnswersEx. 56

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

7. \_\_\_\_\_

8. \_\_\_\_\_

9. \_\_\_\_\_

10. \_\_\_\_\_



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. 561. 1172. 783. 1054. 525. 1126. 657. 1128. 909. 12610. 108



Use the distributive property to solve each problem.

Answers

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

Ex. 68

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

1. \_\_\_\_\_

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

2. \_\_\_\_\_

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

3. \_\_\_\_\_

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

4. \_\_\_\_\_

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

5. \_\_\_\_\_

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

6. \_\_\_\_\_

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

7. \_\_\_\_\_

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

8. \_\_\_\_\_

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

9. \_\_\_\_\_

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

10. \_\_\_\_\_



Use the distributive property to solve each problem.

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

32      +      36

$$1) \quad 7 \times 17 = (7 \times 9) + ( 7 \times \underline{8} ) = \underline{119}$$

63      +      56

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

72      +      56

$$3) \quad 9 \times 15 = (9 \times 9) + ( 9 \times \underline{6} ) = \underline{135}$$

81      +      54

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

36      +      20

$$5) \quad 4 \times 14 = (4 \times 6) + ( 4 \times \underline{8} ) = \underline{56}$$

24      +      32

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

48      +      60

$$7) \quad 13 \times 3 = (3 \times 3) + ( \underline{10} \times 3 ) = \underline{39}$$

9      +      30

$$8) \quad 14 \times 8 = (6 \times 8) + ( \underline{8} \times 8 ) = \underline{112}$$

48      +      64

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

81      +      54

$$10) \quad 5 \times 14 = (5 \times 7) + ( 5 \times \underline{7} ) = \underline{70}$$

35      +      35

AnswersEx. 681. 1192. 1283. 1354. 565. 566. 1087. 398. 1129. 13510. 70