



Solve each problem.

Answers

Ex) For every 8 dogs at the pet shelter there are 5 cats. What is the ratio of dogs to cats?

Ex. 8:5

1) For every 8 hotdogs sold at the malt shop there are 3 hamburgers sold. What is the ratio of hotdogs sold to hamburgers sold?

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

2) For every 5 PS3 games Robin owned she had 8 Wii games. What is her ratio of Wii games to PS3 games?

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

3) At the store for every 6 movies sold there were 8 books sold. What is the ratio of books sold to movies sold?

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

4) At the movie theater the ratio of small popcorns sold to large popcorns sold was 5:8. For every \_\_\_\_\_ small popcorns sold there are \_\_\_\_\_ large popcorns sold.

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

5) For every 6 onions on a burger there are 8 pickles. What is the ratio of pickles to onions?

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

6) In a bag of candy the ratio of chocolate pieces to sugar pieces was 8:2. For every \_\_\_\_\_ sugar pieces there are \_\_\_\_\_ chocolate pieces.

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

7) The ratio of cars to trucks in a parking lot was 3:2. For every \_\_\_\_\_ trucks there were \_\_\_\_\_ cars.

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

8) At the burger shop the ratio of regular sodas sold to diet sodas sold was 5:3. For every \_\_\_\_\_ regular sodas sold there are \_\_\_\_\_ diet sodas sold.

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

9) At the thrift store for every 3 long sleeve shirts there were 2 short sleeve shirts. What is the ratio of long sleeve shirts to short sleeve shirts?

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

10) In a neighborhood for every 2 old homes there were 8 new homes. What is the ratio of old homes to new homes?

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

11) The ratio of boys to girls on a softball team was 2:6. For every \_\_\_\_\_ girls there are \_\_\_\_\_ boys.

11. \_\_\_\_\_

12) At an orchard the ratio of green apples to red apples was 7:8. For every \_\_\_\_\_ red apples there were \_\_\_\_\_ green apples.

12. \_\_\_\_\_



Solve each problem.

- Ex) For every 8 dogs at the pet shelter there are 5 cats. What is the ratio of dogs to cats?
- 1) For every 8 hotdogs sold at the malt shop there are 3 hamburgers sold. What is the ratio of hotdogs sold to hamburgers sold?
  - 2) For every 5 PS3 games Robin owned she had 8 Wii games. What is her ratio of Wii games to PS3 games?
  - 3) At the store for every 6 movies sold there were 8 books sold. What is the ratio of books sold to movies sold?
  - 4) At the movie theater the ratio of small popcorns sold to large popcorns sold was 5:8. For every 5 small popcorns sold there are 8 large popcorns sold.
  - 5) For every 6 onions on a burger there are 8 pickles. What is the ratio of pickles to onions?
  - 6) In a bag of candy the ratio of chocolate pieces to sugar pieces was 8:2. For every 2 sugar pieces there are 8 chocolate pieces.
  - 7) The ratio of cars to trucks in a parking lot was 3:2. For every 2 trucks there were 3 cars.
  - 8) At the burger shop the ratio of regular sodas sold to diet sodas sold was 5:3. For every 5 regular sodas sold there are 3 diet sodas sold.
  - 9) At the thift store for every 3 long sleeve shirts there were 2 short sleeve shirts. What is the ratio of long sleeve shirts to short sleeve shirts?
  - 10) In a neighborhood for every 2 old homes there were 8 new homes. What is the ratio of old homes to new homes?
  - 11) The ratio of boys to girls on a softball team was 2:6. For every 6 girls there are 2 boys.
  - 12) At an orchard the ratio of green apples to red apples was 7:8. For every 8 red apples there were 7 green apples.

**Answers**

- Ex. 8:5
1. 8:3
  2. 8:5
  3. 8:6
  4. 5 8
  5. 8:6
  6. 2 8
  7. 2 3
  8. 5 3
  9. 3:2
  10. 2:8
  11. 6 2
  12. 8 7



Solve each problem.

**Answers**

- Ex) The ratio of males to females birds in a bird cage was 5:6. For every 6 females there are 5 males.
- 1) For every 9 cars in a parking lot there are 7 trucks. What is the ratio of cars to trucks in the parking lot?
- 2) At the movie theater the ratio of small popcorns sold to large popcorns sold was 3:8. For every \_\_\_\_\_ large popcorns sold there are \_\_\_\_\_ small popcorns sold.
- 3) At the carnival the ratio of rides to games was 3:5. For every \_\_\_\_\_ rides there are \_\_\_\_\_ games.
- 4) At the the thrift store the ratio of long sleeve shirts to short sleeve shirts was 2:4. For every \_\_\_\_\_ long sleeve shirts there were \_\_\_\_\_ short sleeve shirts.
- 5) At an orchard the ratio of green apples to red apples was 5:6. For every \_\_\_\_\_ red apples there were \_\_\_\_\_ green apples.
- 6) At the store the ratio of books sold to movies sold was 8:5. For every \_\_\_\_\_ movies sold there were \_\_\_\_\_ books sold.
- 7) For every 8 Wii games Olivia owned she had 3 PS3 games. What is her ratio of Wii games to PS3 games?
- 8) For every 8 regular sodas a burger shop sold there were 4 diet sodas sold. What is the ratio of regular sodas sold to diet sodas sold?
- 9) At the pet store the ratio of dogs to cats was 4:6. For every \_\_\_\_\_ cats there are \_\_\_\_\_ dogs.
- 10) In a bag of candy the ratio of chocolate pieces to sugar pieces was 5:8. For every \_\_\_\_\_ sugar pieces there are \_\_\_\_\_ chocolate pieces.
- 11) During the class election the ratio of votes for Katie to votes for Tom was 6:7. For every \_\_\_\_\_ votes Tom got Katie got \_\_\_\_\_.
- 12) At an icecream shop for every 5 vanilla cones sold there were 2 chocolate cones sold. What is the ratio of chocolate cones to vanilla cones sold?

- Ex. 6 5
- 1. \_\_\_\_\_
- 2. \_\_\_\_\_
- 3. \_\_\_\_\_
- 4. \_\_\_\_\_
- 5. \_\_\_\_\_
- 6. \_\_\_\_\_
- 7. \_\_\_\_\_
- 8. \_\_\_\_\_
- 9. \_\_\_\_\_
- 10. \_\_\_\_\_
- 11. \_\_\_\_\_
- 12. \_\_\_\_\_



Solve each problem.

- Ex) The ratio of males to females birds in a bird cage was 5:6. For every 6 females there are 5 males.
- 1) For every 9 cars in a parking lot there are 7 trucks. What is the ratio of cars to trucks in the parking lot?
  - 2) At the movie theater the ratio of small popcorns sold to large popcorns sold was 3:8. For every 8 large popcorns sold there are 3 small popcorns sold.
  - 3) At the carnival the ratio of rides to games was 3:5. For every 3 rides there are 5 games.
  - 4) At the the thrift store the ratio of long sleeve shirts to short sleeve shirts was 2:4. For every 2 long sleeve shirts there were 4 short sleeve shirts.
  - 5) At an orchard the ratio of green apples to red apples was 5:6. For every 6 red apples there were 5 green apples.
  - 6) At the store the ratio of books sold to movies sold was 8:5. For every 5 movies sold there were 8 books sold.
  - 7) For every 8 Wii games Olivia owned she had 3 PS3 games. What is her ratio of Wii games to PS3 games?
  - 8) For every 8 regular sodas a burger shop sold there were 4 diet sodas sold. What is the ratio of regular sodas sold to diet sodas sold?
  - 9) At the pet store the ratio of dogs to cats was 4:6. For every 6 cats there are 4 dogs.
  - 10) In a bag of candy the ratio of chocolate pieces to sugar pieces was 5:8. For every 8 sugar pieces there are 5 chocolate pieces.
  - 11) During the class election the ratio of votes for Katie to votes for Tom was 6:7. For every 7 votes Tom got Katie got 6.
  - 12) At an icecream shop for every 5 vanilla cones sold there were 2 chocolate cones sold. What is the ratio of chocolate cones to vanilla cones sold?

**Answers**

- Ex. 6 5
1. 9:7
  2. 8 3
  3. 3 5
  4. 2 4
  5. 6 5
  6. 5 8
  7. 8:3
  8. 8:4
  9. 6 4
  10. 8 5
  11. 7 6
  12. 2:5



Solve each problem.

**Answers**

Ex) For every 8 green apples in an orchard there were 6 red apples. What is the ratio of green apples to red apples?

Ex. 8:6

1) During the class election the ratio of votes for Faye to votes for John was 8:2. For every \_\_\_\_\_ votes Faye got John got \_\_\_\_\_.

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

2) At an icecream shop the ratio of chocolate cones sold to vanilla cones sold was 3:6. For every \_\_\_\_\_ vanilla cones sold there were \_\_\_\_\_ chocolate cones sold.

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

3) For every 6 hotdogs sold at the malt shop there are 8 hamburgers sold. What is the ratio of hotdogs sold to hamburgers sold?

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

4) For every 8 boys on a softball team there are 7 girls. What is the ratio of boys to girls?

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

5) At the carnival the ratio of rides to games was 7:6. For every \_\_\_\_\_ rides there are \_\_\_\_\_ games.

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

6) The ratio of cars to trucks in a parking lot was 7:6. For every \_\_\_\_\_ cars there were \_\_\_\_\_ trucks.

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

7) In a bag of candy the ratio of chocolate pieces to sugar pieces was 9:8. For every \_\_\_\_\_ chocolate pieces there are \_\_\_\_\_ sugar pieces.

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

8) The ratio of pickles to onions on a burger was 8:9. For every \_\_\_\_\_ onions there are \_\_\_\_\_ pickles.

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

9) At the store for every 9 books sold there were 4 movies sold. What is the ratio of books sold to movies sold?

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

10) In a neighborhood for every 9 old homes there were 3 new homes. What is the ratio of old homes to new homes?

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

11) At the pet store the ratio of dogs to cats was 9:5. For every \_\_\_\_\_ dogs there are \_\_\_\_\_ cats.

11. \_\_\_\_\_

12) For every 3 PS3 games Emily owned she had 5 Wii games. What is her ratio of Wii games to PS3 games?

12. \_\_\_\_\_





Solve each problem.

**Answers**

Ex) At an orchard the ratio of green apples to red apples was 6:2. For every 2 red apples there were 6 green apples.

Ex. 2 6

1) At the store for every 8 movies sold there were 9 books sold. What is the ratio of books sold to movies sold?

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

2) At the thrift store for every 8 long sleeve shirts there were 2 short sleeve shirts. What is the ratio of long sleeve shirts to short sleeve shirts?

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

3) The ratio of Wii games to PS3 games Henry owned was 6:5. For every \_\_\_\_\_ Wii games he owned he had \_\_\_\_\_ PS3 games.

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

4) The ratio of cars to trucks in a parking lot was 8:5. For every \_\_\_\_\_ trucks there were \_\_\_\_\_ cars.

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

5) At the pet store the ratio of dogs to cats was 4:7. For every \_\_\_\_\_ dogs there are \_\_\_\_\_ cats.

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

6) In the class election for every 4 Emily Emily got, Edward got 8 Edward. What is the ratio of votes for Emily to votes for Edward?

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

7) At an icecream shop for every 3 vanilla cones sold there were 7 chocolate cones sold. What is the ratio of chocolate cones to vanilla cones sold?

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

8) At the malt shop the ratio of hotdogs sold to hamburgers sold was 9:5. For every \_\_\_\_\_ hotdogs sold there were \_\_\_\_\_ hamburgers sold.

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

9) For every 2 rides at the fair there are 5 games. What is the ratio of rides to games?

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

10) In a bag of candy for every 7 chocolate pieces there are 2 sugar pieces. What is the ratio of chocolate pieces to sugar pieces?

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

11) For every 5 small popcorns sold at the theater there were 2 large popcorns sold. What is the ratio of small popcorns sold to large popcorns sold?

11. \_\_\_\_\_

12) For every 4 pickles on a burger there are 6 onions. What is the ratio of pickles to onions?

12. \_\_\_\_\_



Solve each problem.

- Ex) At an orchard the ratio of green apples to red apples was 6:2. For every 2 red apples there were 6 green apples.
- 1) At the store for every 8 movies sold there were 9 books sold. What is the ratio of books sold to movies sold?
  - 2) At the thrift store for every 8 long sleeve shirts there were 2 short sleeve shirts. What is the ratio of long sleeve shirts to short sleeve shirts?
  - 3) The ratio of Wii games to PS3 games Henry owned was 6:5. For every 6 Wii games he owned he had 5 PS3 games.
  - 4) The ratio of cars to trucks in a parking lot was 8:5. For every 5 trucks there were 8 cars.
  - 5) At the pet store the ratio of dogs to cats was 4:7. For every 4 dogs there are 7 cats.
  - 6) In the class election for every 4 Emily Emily got, Edward got 8 Edward. What is the ratio of votes for Emily to votes for Edward?
  - 7) At an icecream shop for every 3 vanilla cones sold there were 7 chocolate cones sold. What is the ratio of chocolate cones to vanilla cones sold?
  - 8) At the malt shop the ratio of hotdogs sold to hamburgers sold was 9:5. For every 9 hotdogs sold there were 5 hamburgers sold.
  - 9) For every 2 rides at the fair there are 5 games. What is the ratio of rides to games?
  - 10) In a bag of candy for every 7 chocolate pieces there are 2 sugar pieces. What is the ratio of chocolate pieces to sugar pieces?
  - 11) For every 5 small popcorns sold at the theater there were 2 large popcorns sold. What is the ratio of small popcorns sold to large popcorns sold?
  - 12) For every 4 pickles on a burger there are 6 onions. What is the ratio of pickles to onions?

**Answers**

- Ex. 2 6
1. 9:8
  2. 8:2
  3. 6 5
  4. 5 8
  5. 4 7
  6. 4:8
  7. 7:3
  8. 9 5
  9. 2:5
  10. 7:2
  11. 5:2
  12. 4:6





Solve each problem.

**Answers**

Ex) For every 3 small popcorns sold at the theater there were 4 large popcorns sold. What is the ratio of small popcorns sold to large popcorns sold?

Ex. 3:4

1) The ratio of boys to girls on a softball team was 9:4. For every \_\_\_\_\_ boys there are \_\_\_\_\_ girls.

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

2) In a neighborhood for every 9 new homes there were 3 old homes. What is the ratio of old homes to new homes?

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

3) At the thrift store for every 6 short sleeve shirts there were 9 long sleeve shirts. What is the ratio of long sleeve shirts to short sleeve shirts?

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

4) At the carnival the ratio of rides to games was 7:2. For every \_\_\_\_\_ games there are \_\_\_\_\_ rides.

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

5) In a bag of candy the ratio of chocolate pieces to sugar pieces was 2:4. For every \_\_\_\_\_ chocolate pieces there are \_\_\_\_\_ sugar pieces.

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

6) At the pet store the ratio of dogs to cats was 7:5. For every \_\_\_\_\_ cats there are \_\_\_\_\_ dogs.

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

7) The ratio of males to females birds in a bird cage was 5:4. For every \_\_\_\_\_ females there are \_\_\_\_\_ males.

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

8) For every 5 onions on a burger there are 7 pickles. What is the ratio of pickles to onions?

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

9) For every 2 cars in a parking lot there are 4 trucks. What is the ratio of cars to trucks in the parking lot?

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

10) For every 2 green apples in an orchard there were 5 red apples. What is the ratio of green apples to red apples?

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

11) At the store the ratio of books sold to movies sold was 5:2. For every \_\_\_\_\_ movies sold there were \_\_\_\_\_ books sold.

11. \_\_\_\_\_

12) For every 3 hamburgers sold at the malt shop there are 8 hotdogs sold. What is the ratio of hotdogs sold to hamburgers sold?

12. \_\_\_\_\_



Solve each problem.

- Ex)** For every 3 small popcorns sold at the theater there were 4 large popcorns sold. What is the ratio of small popcorns sold to large popcorns sold?
- 1) The ratio of boys to girls on a softball team was 9:4. For every 9 boys there are 4 girls.
  - 2) In a neighborhood for every 9 new homes there were 3 old homes. What is the ratio of old homes to new homes?
  - 3) At the thrift store for every 6 short sleeve shirts there were 9 long sleeve shirts. What is the ratio of long sleeve shirts to short sleeve shirts?
  - 4) At the carnival the ratio of rides to games was 7:2. For every 2 games there are 7 rides.
  - 5) In a bag of candy the ratio of chocolate pieces to sugar pieces was 2:4. For every 2 chocolate pieces there are 4 sugar pieces.
  - 6) At the pet store the ratio of dogs to cats was 7:5. For every 5 cats there are 7 dogs.
  - 7) The ratio of males to females birds in a bird cage was 5:4. For every 4 females there are 5 males.
  - 8) For every 5 onions on a burger there are 7 pickles. What is the ratio of pickles to onions?
  - 9) For every 2 cars in a parking lot there are 4 trucks. What is the ratio of cars to trucks in the parking lot?
  - 10) For every 2 green apples in an orchard there were 5 red apples. What is the ratio of green apples to red apples?
  - 11) At the store the ratio of books sold to movies sold was 5:2. For every 2 movies sold there were 5 books sold.
  - 12) For every 3 hamburgers sold at the malt shop there are 8 hotdogs sold. What is the ratio of hotdogs sold to hamburgers sold?

**Answers**

- Ex. 3:4
1. 9 4
  2. 3:9
  3. 9:6
  4. 2 7
  5. 2 4
  6. 5 7
  7. 4 5
  8. 7:5
  9. 2:4
  10. 2:5
  11. 2 5
  12. 8:3



Solve each problem.

**Answers**

- Ex) For every 2 hotdogs sold at the malt shop there are 4 hamburgers sold. What is the ratio of hotdogs sold to hamburgers sold?
  
- 1) The ratio of Wii games to PS3 games Victor owned was 2:8. For every \_\_\_\_\_ PS3 games he owned he had \_\_\_\_\_ Wii games.
  
- 2) At the store the ratio of books sold to movies sold was 4:2. For every \_\_\_\_\_ books sold there were \_\_\_\_\_ movies sold.
  
- 3) The ratio of boys to girls on a softball team was 5:6. For every \_\_\_\_\_ boys there are \_\_\_\_\_ girls.
  
- 4) In a bag of candy for every 4 chocolate pieces there are 9 sugar pieces. What is the ratio of chocolate pieces to sugar pieces?
  
- 5) For every 9 small popcorns sold at the theater there were 5 large popcorns sold. What is the ratio of small popcorns sold to large popcorns sold?
  
- 6) For every 3 onions on a burger there are 9 pickles. What is the ratio of pickles to onions?
  
- 7) For every 5 males birds in a bird cage there are 4 females. What is the ratio of males to females?
  
- 8) For every 5 dogs at the pet shelter there are 7 cats. What is the ratio of dogs to cats?
  
- 9) In a neighborhood for every 5 old homes there were 7 new homes. What is the ratio of old homes to new homes?
  
- 10) At an icecream shop the ratio of chocolate cones sold to vanilla cones cones sold was 7:6. For every \_\_\_\_\_ vanilla cones sold there were \_\_\_\_\_ chocolate cones sold.
  
- 11) In the class election for every 3 Kaleb Robin got, Kaleb got 5 Robin. What is the ratio of votes for Robin to votes for Kaleb?
  
- 12) For every 8 games at the fair there are 4 rides. What is the ratio of rides to games?

- Ex. 2:4
- 1. \_\_\_\_\_
- 2. \_\_\_\_\_
- 3. \_\_\_\_\_
- 4. \_\_\_\_\_
- 5. \_\_\_\_\_
- 6. \_\_\_\_\_
- 7. \_\_\_\_\_
- 8. \_\_\_\_\_
- 9. \_\_\_\_\_
- 10. \_\_\_\_\_
- 11. \_\_\_\_\_
- 12. \_\_\_\_\_



Solve each problem.

- Ex) For every 2 hotdogs sold at the malt shop there are 4 hamburgers sold. What is the ratio of hotdogs sold to hamburgers sold?
- 1) The ratio of Wii games to PS3 games Victor owned was 2:8. For every 8 PS3 games he owned he had 2 Wii games.
  - 2) At the store the ratio of books sold to movies sold was 4:2. For every 4 books sold there were 2 movies sold.
  - 3) The ratio of boys to girls on a softball team was 5:6. For every 5 boys there are 6 girls.
  - 4) In a bag of candy for every 4 chocolate pieces there are 9 sugar pieces. What is the ratio of chocolate pieces to sugar pieces?
  - 5) For every 9 small popcorns sold at the theater there were 5 large popcorns sold. What is the ratio of small popcorns sold to large popcorns sold?
  - 6) For every 3 onions on a burger there are 9 pickles. What is the ratio of pickles to onions?
  - 7) For every 5 males birds in a bird cage there are 4 females. What is the ratio of males to females?
  - 8) For every 5 dogs at the pet shelter there are 7 cats. What is the ratio of dogs to cats?
  - 9) In a neighborhood for every 5 old homes there were 7 new homes. What is the ratio of old homes to new homes?
  - 10) At an icecream shop the ratio of chocolate cones sold to vanilla cones cones sold was 7:6. For every 6 vanilla cones sold there were 7 chocolate cones sold.
  - 11) In the class election for every 3 Kaleb Robin got, Kaleb got 5 Robin. What is the ratio of votes for Robin to votes for Kaleb?
  - 12) For every 8 games at the fair there are 4 rides. What is the ratio of rides to games?

**Answers**

- Ex. 2:4
1. 8 2
  2. 4 2
  3. 5 6
  4. 4:9
  5. 9:5
  6. 9:3
  7. 5:4
  8. 5:7
  9. 5:7
  10. 6 7
  11. 5:3
  12. 4:8



Solve each problem.

**Answers**

Ex) The ratio of males to females birds in a bird cage was 9:2. For every 9 males there are 2 females.

Ex. 9 2

1) During the class election the ratio of votes for Sarah to votes for Henry was 5:4. For every \_\_\_\_\_ votes Henry got Sarah got \_\_\_\_\_.

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

2) At the store the ratio of books sold to movies sold was 6:3. For every \_\_\_\_\_ movies sold there were \_\_\_\_\_ books sold.

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

3) For every 8 regular sodas a burger shop sold there were 5 diet sodas sold. What is the ratio of regular sodas sold to diet sodas sold?

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

4) The ratio of pickles to onions on a burger was 9:2. For every \_\_\_\_\_ onions there are \_\_\_\_\_ pickles.

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

5) The ratio of cars to trucks in a parking lot was 9:8. For every \_\_\_\_\_ cars there were \_\_\_\_\_ trucks.

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

6) At the thrift store for every 9 short sleeve shirts there were 6 long sleeve shirts. What is the ratio of long sleeve shirts to short sleeve shirts?

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

7) The ratio of Wii games to PS3 games Sam owned was 2:7. For every \_\_\_\_\_ Wii games he owned he had \_\_\_\_\_ PS3 games.

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

8) The ratio of boys to girls on a softball team was 7:4. For every \_\_\_\_\_ boys there are \_\_\_\_\_ girls.

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

9) For every 6 dogs at the pet shelter there are 5 cats. What is the ratio of dogs to cats?

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

10) At an icecream shop for every 4 chocolate cones sold there were 6 vanilla cones sold. What is the ratio of chocolate cones to vanilla cones sold?

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

11) In a neighborhood for every 4 new homes there were 3 old homes. What is the ratio of old homes to new homes?

11. \_\_\_\_\_

12) For every 5 games at the fair there are 2 rides. What is the ratio of rides to games?

12. \_\_\_\_\_



Solve each problem.

- Ex) The ratio of males to females birds in a bird cage was 9:2. For every 9 males there are 2 females.
- 1) During the class election the ratio of votes for Sarah to votes for Henry was 5:4. For every 4 votes Henry got Sarah got 5.
  - 2) At the store the ratio of books sold to movies sold was 6:3. For every 3 movies sold there were 6 books sold.
  - 3) For every 8 regular sodas a burger shop sold there were 5 diet sodas sold. What is the ratio of regular sodas sold to diet sodas sold?
  - 4) The ratio of pickles to onions on a burger was 9:2. For every 2 onions there are 9 pickles.
  - 5) The ratio of cars to trucks in a parking lot was 9:8. For every 9 cars there were 8 trucks.
  - 6) At the thrift store for every 9 short sleeve shirts there were 6 long sleeve shirts. What is the ratio of long sleeve shirts to short sleeve shirts?
  - 7) The ratio of Wii games to PS3 games Sam owned was 2:7. For every 2 Wii games he owned he had 7 PS3 games.
  - 8) The ratio of boys to girls on a softball team was 7:4. For every 7 boys there are 4 girls.
  - 9) For every 6 dogs at the pet shelter there are 5 cats. What is the ratio of dogs to cats?
  - 10) At an icecream shop for every 4 chocolate cones sold there were 6 vanilla cones sold. What is the ratio of chocolate cones to vanilla cones sold?
  - 11) In a neighborhood for every 4 new homes there were 3 old homes. What is the ratio of old homes to new homes?
  - 12) For every 5 games at the fair there are 2 rides. What is the ratio of rides to games?

**Answers**

- Ex. 9 2
1. 4 5
  2. 3 6
  3. 8:5
  4. 2 9
  5. 9 8
  6. 6:9
  7. 2 7
  8. 7 4
  9. 6:5
  10. 4:6
  11. 3:4
  12. 2:5



Solve each problem.

**Answers**

Ex) In a neighborhood for every 7 new homes there were 2 old homes. What is the ratio of old homes to new homes?

Ex. 2:7

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

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

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

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

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

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

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

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

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

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

11. \_\_\_\_\_

12. \_\_\_\_\_

1) At the carnival the ratio of rides to games was 3:4. For every \_\_\_\_\_ rides there are \_\_\_\_\_ games.

2) For every 4 cars in a parking lot there are 5 trucks. What is the ratio of cars to trucks in the parking lot?

3) For every 6 green apples in an orchard there were 4 red apples. What is the ratio of green apples to red apples?

4) For every 4 small popcorns sold at the theater there were 9 large popcorns sold. What is the ratio of small popcorns sold to large popcorns sold?

5) For every 4 hotdogs sold at the malt shop there are 6 hamburgers sold. What is the ratio of hotdogs sold to hamburgers sold?

6) In the class election for every 2 Bianca Bianca got, Cody got 3 Cody. What is the ratio of votes for Bianca to votes for Cody?

7) At an icecream shop for every 6 chocolate cones sold there were 9 vanilla cones sold. What is the ratio of chocolate cones to vanilla cones sold?

8) For every 9 PS3 games Lana owned she had 7 Wii games. What is her ratio of Wii games to PS3 games?

9) At the burger shop the ratio of regular sodas sold to diet sodas sold was 4:6. For every \_\_\_\_\_ regular sodas sold there are \_\_\_\_\_ diet sodas sold.

10) At the pet store the ratio of dogs to cats was 3:6. For every \_\_\_\_\_ cats there are \_\_\_\_\_ dogs.

11) At the the thrift store the ratio of long sleeve shirts to short sleeve shirts was 8:4. For every \_\_\_\_\_ short sleeve shirts there were \_\_\_\_\_ long sleeve shirts.

12) The ratio of boys to girls on a softball team was 6:7. For every \_\_\_\_\_ girls there are \_\_\_\_\_ boys.



Solve each problem.

Ex) In a neighborhood for every 7 new homes there were 2 old homes. What is the ratio of old homes to new homes?

- 1) At the carnival the ratio of rides to games was 3:4. For every 3 rides there are 4 games.
- 2) For every 4 cars in a parking lot there are 5 trucks. What is the ratio of cars to trucks in the parking lot?
- 3) For every 6 green apples in an orchard there were 4 red apples. What is the ratio of green apples to red apples?
- 4) For every 4 small popcorns sold at the theater there were 9 large popcorns sold. What is the ratio of small popcorns sold to large popcorns sold?
- 5) For every 4 hotdogs sold at the malt shop there are 6 hamburgers sold. What is the ratio of hotdogs sold to hamburgers sold?
- 6) In the class election for every 2 Bianca Bianca got, Cody got 3 Cody. What is the ratio of votes for Bianca to votes for Cody?
- 7) At an icecream shop for every 6 chocolate cones sold there were 9 vanilla cones sold. What is the ratio of chocolate cones to vanilla cones sold?
- 8) For every 9 PS3 games Lana owned she had 7 Wii games. What is her ratio of Wii games to PS3 games?
- 9) At the burger shop the ratio of regular sodas sold to diet sodas sold was 4:6. For every 4 regular sodas sold there are 6 diet sodas sold.
- 10) At the pet store the ratio of dogs to cats was 3:6. For every 6 cats there are 3 dogs.
- 11) At the the thrift store the ratio of long sleeve shirts to short sleeve shirts was 8:4. For every 4 short sleeve shirts there were 8 long sleeve shirts.
- 12) The ratio of boys to girls on a softball team was 6:7. For every 7 girls there are 6 boys.

**Answers**

Ex.	<u>2:7</u>
1.	<u>3 4</u>
2.	<u>4:5</u>
3.	<u>6:4</u>
4.	<u>4:9</u>
5.	<u>4:6</u>
6.	<u>2:3</u>
7.	<u>6:9</u>
8.	<u>7:9</u>
9.	<u>4 6</u>
10.	<u>6 3</u>
11.	<u>4 8</u>
12.	<u>7 6</u>





Solve each problem.

Answers

Ex) At the the thrift store the ratio of long sleeve shirts to short sleeve shirts was 8:7. For every 8 long sleeve shirts there were 7 short sleeve shirts.

Ex. 8 7

1) For every 6 onions on a burger there are 5 pickles. What is the ratio of pickles to onions?

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

2) For every 3 males birds in a bird cage there are 6 females. What is the ratio of males to females?

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

3) In the class election for every 2 Katie Katie got, Jerry got 5 Jerry. What is the ratio of votes for Katie to votes for Jerry?

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

4) In a neighborhood the ratio of old homes to new homes was 5:9. For every \_\_\_\_\_ new homes in the neighborhood there were \_\_\_\_\_ old homes.

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

5) For every 6 girls on a softball team there are 9 boys. What is the ratio of boys to girls?

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

6) At an icecream shop the ratio of chocolate cones sold to vanilla cones cones sold was 5:3. For every \_\_\_\_\_ vanilla cones sold there were \_\_\_\_\_ chocolate cones sold.

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

7) In a bag of candy the ratio of chocolate pieces to sugar pieces was 6:7. For every \_\_\_\_\_ sugar pieces there are \_\_\_\_\_ chocolate pieces.

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

8) At the burger shop the ratio of regular sodas sold to diet sodas sold was 4:9. For every \_\_\_\_\_ regular sodas sold there are \_\_\_\_\_ diet sodas sold.

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

9) For every 8 hamburgers sold at the malt shop there are 6 hotdogs sold. What is the ratio of hotdogs sold to hamburgers sold?

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

10) For every 9 dogs at the pet shelter there are 6 cats. What is the ratio of dogs to cats?

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

11) The ratio of Wii games to PS3 games Paul owned was 5:3. For every \_\_\_\_\_ Wii games he owned he had \_\_\_\_\_ PS3 games.

11. \_\_\_\_\_

12) For every 4 small popcorns sold at the theater there were 9 large popcorns sold. What is the ratio of small popcorns sold to large popcorns sold?

12. \_\_\_\_\_



Solve each problem.

- Ex) At the the thrift store the ratio of long sleeve shirts to short sleeve shirts was 8:7. For every 8 long sleeve shirts there were 7 short sleeve shirts.
- 1) For every 6 onions on a burger there are 5 pickles. What is the ratio of pickles to onions?
  - 2) For every 3 males birds in a bird cage there are 6 females. What is the ratio of males to females?
  - 3) In the class election for every 2 Katie Katie got, Jerry got 5 Jerry. What is the ratio of votes for Katie to votes for Jerry?
  - 4) In a neighborhood the ratio of old homes to new homes was 5:9. For every 9 new homes in the neighborhood there were 5 old homes.
  - 5) For every 6 girls on a softball team there are 9 boys. What is the ratio of boys to girls?
  - 6) At an icecream shop the ratio of chocolate cones sold to vanilla cones cones sold was 5:3. For every 3 vanilla cones sold there were 5 chocolate cones sold.
  - 7) In a bag of candy the ratio of chocolate pieces to sugar pieces was 6:7. For every 7 sugar pieces there are 6 chocolate pieces.
  - 8) At the burger shop the ratio of regular sodas sold to diet sodas sold was 4:9. For every 4 regular sodas sold there are 9 diet sodas sold.
  - 9) For every 8 hamburgers sold at the malt shop there are 6 hotdogs sold. What is the ratio of hotdogs sold to hamburgers sold?
  - 10) For every 9 dogs at the pet shelter there are 6 cats. What is the ratio of dogs to cats?
  - 11) The ratio of Wii games to PS3 games Paul owned was 5:3. For every 5 Wii games he owned he had 3 PS3 games.
  - 12) For every 4 small popcorns sold at the theater there were 9 large popcorns sold. What is the ratio of small popcorns sold to large popcorns sold?

**Answers**

- Ex. 8 7
1. 5:6
  2. 3:6
  3. 2:5
  4. 9 5
  5. 9:6
  6. 3 5
  7. 7 6
  8. 4 9
  9. 6:8
  10. 9:6
  11. 5 3
  12. 4:9



Solve each problem.

**Answers**

- Ex) For every 3 small popcorns sold at the theater there were 5 large popcorns sold. What is the ratio of small popcorns sold to large popcorns sold?
- 1) For every 9 dogs at the pet shelter there are 6 cats. What is the ratio of dogs to cats?
  - 2) For every 9 diet sodas a burger shop sold there were 3 regular sodas sold. What is the ratio of regular sodas sold to diet sodas sold?
  - 3) In a neighborhood for every 6 new homes there were 2 old homes. What is the ratio of old homes to new homes?
  - 4) The ratio of pickles to onions on a burger was 8:2. For every \_\_\_\_\_ onions there are \_\_\_\_\_ pickles.
  - 5) For every 8 females birds in a bird cage there are 5 males. What is the ratio of males to females?
  - 6) At the thrift store for every 4 long sleeve shirts there were 5 short sleeve shirts. What is the ratio of long sleeve shirts to short sleeve shirts?
  - 7) For every 8 trucks in a parking lot there are 9 cars. What is the ratio of cars to trucks in the parking lot?
  - 8) At the store the ratio of books sold to movies sold was 4:8. For every \_\_\_\_\_ books sold there were \_\_\_\_\_ movies sold.
  - 9) In a bag of candy the ratio of chocolate pieces to sugar pieces was 5:9. For every \_\_\_\_\_ chocolate pieces there are \_\_\_\_\_ sugar pieces.
  - 10) During the class election the ratio of votes for Olivia to votes for Dave was 9:6. For every \_\_\_\_\_ votes Dave got Olivia got \_\_\_\_\_.
  - 11) At the malt shop the ratio of hotdogs sold to hamburgers sold was 4:7. For every \_\_\_\_\_ hotdogs sold there were \_\_\_\_\_ hamburgers sold.
  - 12) The ratio of boys to girls on a softball team was 8:3. For every \_\_\_\_\_ boys there are \_\_\_\_\_ girls.

- Ex. 3:5
1. \_\_\_\_\_
  2. \_\_\_\_\_
  3. \_\_\_\_\_
  4. \_\_\_\_\_
  5. \_\_\_\_\_
  6. \_\_\_\_\_
  7. \_\_\_\_\_
  8. \_\_\_\_\_
  9. \_\_\_\_\_
  10. \_\_\_\_\_
  11. \_\_\_\_\_
  12. \_\_\_\_\_



Solve each problem.

- Ex) For every 3 small popcorns sold at the theater there were 5 large popcorns sold. What is the ratio of small popcorns sold to large popcorns sold?
- 1) For every 9 dogs at the pet shelter there are 6 cats. What is the ratio of dogs to cats?
  - 2) For every 9 diet sodas a burger shop sold there were 3 regular sodas sold. What is the ratio of regular sodas sold to diet sodas sold?
  - 3) In a neighborhood for every 6 new homes there were 2 old homes. What is the ratio of old homes to new homes?
  - 4) The ratio of pickles to onions on a burger was 8:2. For every 2 onions there are 8 pickles.
  - 5) For every 8 females birds in a bird cage there are 5 males. What is the ratio of males to females?
  - 6) At the thrift store for every 4 long sleeve shirts there were 5 short sleeve shirts. What is the ratio of long sleeve shirts to short sleeve shirts?
  - 7) For every 8 trucks in a parking lot there are 9 cars. What is the ratio of cars to trucks in the parking lot?
  - 8) At the store the ratio of books sold to movies sold was 4:8. For every 4 books sold there were 8 movies sold.
  - 9) In a bag of candy the ratio of chocolate pieces to sugar pieces was 5:9. For every 5 chocolate pieces there are 9 sugar pieces.
  - 10) During the class election the ratio of votes for Olivia to votes for Dave was 9:6. For every 6 votes Dave got Olivia got 9.
  - 11) At the malt shop the ratio of hotdogs sold to hamburgers sold was 4:7. For every 4 hotdogs sold there were 7 hamburgers sold.
  - 12) The ratio of boys to girls on a softball team was 8:3. For every 8 boys there are 3 girls.

**Answers**

- Ex. 3:5
1. 9:6
  2. 3:9
  3. 2:6
  4. 2 8
  5. 5:8
  6. 4:5
  7. 9:8
  8. 4 8
  9. 5 9
  10. 6 9
  11. 4 7
  12. 8 3