

**Solve each problem.**

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

**Answers**Ex. 9 3

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

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

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

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

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

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

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

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

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



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- 3) At an icecream shop for every 3 chocolate cones sold there were 9 vanilla cones sold. What is the ratio of chocolate cones to vanilla cones sold?
- 4) At the the thrift store the ratio of long sleeve shirts to short sleeve shirts was 3:2. For every 2 short sleeve shirts there were 3 long sleeve shirts.
- 5) For every 9 hotdogs sold at the malt shop there are 6 hamburgers sold. What is the ratio of hotdogs sold to hamburgers sold?
- 6) For every 7 green apples in an orchard there were 8 red apples. What is the ratio of green apples to red apples?
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- 10) In a bag of candy the ratio of chocolate pieces to sugar pieces was 5:6. For every 5 chocolate pieces there are 6 sugar pieces.
- 11) At the carnival the ratio of rides to games was 3:5. For every 3 rides there are 5 games.
- 12) At the burger shop the ratio of regular sodas sold to diet sodas sold was 3:2. For every 3 regular sodas sold there are 2 diet sodas sold.

**Answers**

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