Name: _____

Solve each problem.

1) During a class election 36 students voted for candidate A. If the ratio of votes for candidate A to the votes for candidate B was 9 : 8, how many votes did candidate B receive?

1. _____

2. _____

2) At a bake sale there were 15 raisin cookies sold. If the ratio of raisin cookies sold to oatmeal cookies sold was 5 : 3, what is the combined amount of raisin and oatmeal cookies sold?

3. _____

4. _____

3) For an art show, an artist painted 84 pictures. During the show he sold 35 of his pictures. What is the ratio of pictures he still has to pictures he sold?

5. _____

6. _____

4) Mike was playing checkers with a friend. The ratio of games Mike won was 5 : 1. If Mike won 25 games, how many games did his friend win?

7. _____

8. _____

5) A pet store sold 42 siamese cats. If the ratio of siamese cats to house cats sold was 7 : 1, what is the combined amount of cats sold?

9. _____

10. _____

6) A chess player played 18 games total. If he won 4 of the games, what is the ratio of games he lost to games he won?

7) At the carnival, the ratio of people who won the ring toss game to lost it was 8 : 1. If 40 people won, how many people would have lost?

8) A cafeteria sold 18 cartons of regular flavored milk. If the ratio of regular milk sold to chocolate milk sold was 3 : 2, what is the combined amount of chocolate and regular milk sold?

9) On a Saturday, a library checked out 88 books. If 8 of the books were fiction, what is the ratio of non-fiction books to fiction books checked out?

10) At a farm the ratio of cows to horses was 8 : 3. If there were 32 cows at the farm, how many horses were there?

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

Name:

Solve each problem.

1) During a class election 36 students voted for candidate A. If the ratio of votes for candidate A to the votes for candidate B was 9 : 8, how many votes did candidate B receive?

1. **32**

2. **24**

2) At a bake sale there were 15 raisin cookies sold. If the ratio of raisin cookies sold to oatmeal cookies sold was 5 : 3, what is the combined amount of raisin and oatmeal cookies sold?

3. **7 : 5**

4. **5**

3) For an art show, an artist painted 84 pictures. During the show he sold 35 of his pictures. What is the ratio of pictures he still has to pictures he sold?

5. **48**

6. **7 : 2**

4) Mike was playing checkers with a friend. The ratio of games Mike won was 5 : 1. If Mike won 25 games, how many games did his friend win?

7. **5**

8. **30**

5) A pet store sold 42 siamese cats. If the ratio of siamese cats to house cats sold was 7 : 1, what is the combined amount of cats sold?

9. **10 : 1**

10. **12**

6) A chess player played 18 games total. If he won 4 of the games, what is the ratio of games he lost to games he won?

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Math

Understanding Ratios

Name: _____

Solve each problem.

Answers

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1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____