Solve each problem.

1) At summer camp the ratio of boys to girls was 9 : 7. If there were 45 boys, how many girls were there?

1. _____

2. _____

2) While completing a race, Tom spent 20 minutes walking. If his ratio of time walking to jogging was 5 : 4, how many minutes did he spend completing the race?

3. _____

4. _____

3) At a bake sale there were 88 items sold total. If 24 of the items sold were cookies and the rest were brownies what is the ratio of brownies sold to cookies sold?

5. _____

6. _____

4) The ratio of shoes sold to sandals sold was 3 : 1. If there were 15 shoes sold, how many sandals were sold?

7. _____

8. _____

5) A chess player won 24 of the games he played. If his ratio of wins to loses was 8 : 7, how many games did he play total?

9. _____

10. _____

6) During a class election 10 people voted for candidate A. If there were 35 votes total, what is the ratio of votes for candidate B compared to candidate A?

7) A vendor sold 30 hotdogs during a football game. If the ratio of hotdogs to hamburgers sold was 5 : 3, how many hamburgers did the vendor sell?

8) A small school has 14 boys. If the ratio of boys to girls is 7 : 1, how many, students are there total?

9) Sam spent 26 minutes completing a race. He walked 12 minutes and jogged the rest. What is the ratio of time he jogged to time he walked?

10) At a farm the ratio of cows to horses was 7 : 3. If there were 63 cows at the farm, how many horses were there?

Name:

Solve each problem.

A n s w e r s

1) At summer camp the ratio of boys to girls was 9 : 7. If there were 45 boys, how many girls were there?

1. _____ **35**

2) While completing a race, Tom spent 20 minutes walking. If his ratio of time walking to jogging was 5 : 4, how many minutes did he spend completing the race?

2. _____ **36**

3. _____ **8 : 3**

3) At a bake sale there were 88 items sold total. If 24 of the items sold were cookies and the rest were brownies what is the ratio of brownies sold to cookies sold?

4. _____ **5**

5. _____ **45**

4) The ratio of shoes sold to sandals sold was 3 : 1. If there were 15 shoes sold, how many sandals were sold?

6. _____ **5 : 2**

7. _____ **18**

5) A chess player won 24 of the games he played. If his ratio of wins to loses was 8 : 7, how many games did he play total?

8. _____ **16**

9. _____ **7 : 6**

10. _____ **27**

6) During a class election 10 people voted for candidate A. If there were 35 votes total, what is the ratio of votes for candidate B compared to candidate A?

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

Math

Understanding Ratios

Name: _____

Solve each problem.

5	36	18	45	5 : 2
27	8 : 3	7 : 6	16	35

1. _____

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