



Understanding Ratios

Name: _____

Solve each problem.

- 1) The ratio of shoes sold to sandals sold was $7 : 4$. If there were 56 shoes sold, how many sandals were sold?

- 2) Kaleb had beaten 32 levels in a video game. If the ratio of levels he had beaten to not beaten was $4 : 3$, how many levels does the game have total?

- 3) For an art show, an artist painted 117 pictures. During the show he sold 54 of his pictures. What is the ratio of pictures he still has to pictures he sold?

- 4) At an ice cream shop the ratio of sugar cones sold to waffle cones sold is $5 : 1$. If there are 30 sugar cones sold, how many waffles cones would be sold?

- 5) George was playing 'Connect Four' with a friend. The ratio of games he won to games he lost was $9 : 7$, if he won 81 games, how many games did they play total?

- 6) A chess player played 104 games total. If he won 24 of the games, what is the ratio of games he lost to games he won?

- 7) At a pet store the ratio of cats to dogs sold was $6 : 5$. If there were 24 cats that were sold, how many dogs were sold?

- 8) A student finished 18 of her homework problems in class. If the ratio of problems she finished to problems she still had left was $9 : 1$, how many homework problems did she have total?

- 9) A restaurant offers diet soda and regular soda. In one day they sold 56 sodas. If 8 of the sodas they sold were diet, what is the ratio of regular sodas sold to diet sodas sold?

- 10) A video uploaded had 72 'up votes'. If the ratio of 'up votes' to 'down votes' was $8 : 7$, how many 'down votes' did the video get?

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

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Answers

1. **32**
2. **56**
3. **7 : 6**
4. **6**
5. **144**
6. **10 : 3**
7. **20**
8. **20**
9. **6 : 1**
10. **63**



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