

**Solve each problem.****Answers**

- 1) Luke was playing checkers with a friend. The ratio of games Luke won was 2 : 1. If Luke won 16 games, how many games did his friend win?
- 2) A restaurant offers diet soda and regular soda. In one day they sold 56 diet sodas. If the ratio of diet sodas sold to regular sodas sold was 8 : 5, how many sodas were sold total?
- 3) On a Saturday, a library checked out 84 books. If 30 of the books were fiction, what is the ratio of non-fiction books to fiction books checked out?
- 4) The ratio of white chocolate to dark chocolate sold at a candy shop was 7 : 3. If there were 28 bars of white chocolate sold, how many bars of dark chocolate were sold?
- 5) During a class election the ratio of students who voted for candidate A compared to candidate B was 7 : 5. If candidate A received 35 votes, what is the combined amount of votes candidate A and candidate B received?
- 6) At a carnival Jerry bought 81 tickets. If he used 9 tickets trying to win the ring toss game, what is the ratio of tickets he has to tickets he's used?
- 7) A classroom had 42 glue sticks. If the ratio of glue sticks to glue bottles was 6 : 1, how many glue bottles did the classroom have?
- 8) A fast food restaurant sold 27 burgers with cheese. If the ratio of burgers sold with cheese compared to without cheese was 9 : 7, how many burgers did they sell total?
- 9) A box of candy has 30 pieces total. If 3 of the pieces are cherry flavored, what is the ratio of other flavors to cherry flavored pieces?
- 10) A buffet offers ranch or caesar dressing. The ratio of ranch dressing used to caesar dressing used is 5 : 4. If the buffet uses 15 cases of ranch dressing, how many cases of caesar do they use?

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**Answers**

1. 8
2. 91
3. 9 : 5
4. 12
5. 60
6. 8 : 1
7. 7
8. 48
9. 9 : 1
10. 12



Solve each problem.

Answers

91

12

8

48

12

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