

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

- 1) A buffet offers ranch or caesar dressing. The ratio of ranch dressing used to caesar dressing used is $9 : 1$. If the buffet uses 45 cases of ranch dressing, how many cases of caesar do they use?
- 2) Mike was playing 'Connect Four' with a friend. The ratio of games he won to games he lost was $9 : 5$, if he won 27 games, how many games did they play total?
- 3) On a Saturday, a library checked out 77 books. If 28 of the books were fiction, what is the ratio of non-fiction books to fiction books checked out?
- 4) During a race Gwen jogged for 25 minutes. If the ratio of time she jogged to time she walked was $5 : 2$, how many minutes did Gwen walk?
- 5) A cafeteria sold 14 cartons of regular flavored milk. If the ratio of regular milk sold to chocolate milk sold was $7 : 3$, what is the combined amount of chocolate and regular milk sold?
- 6) During a period of 66 minutes, a music station played 18 minutes of commercials. What is the ratio of music they played to commercials they played?
- 7) At summer camp the ratio of boys to girls was $7 : 5$. If there were 35 boys, how many girls were there?
- 8) A pet store sold 56 siamese cats. If the ratio of siamese cats to house cats sold was $8 : 1$, what is the combined amount of cats sold?
- 9) For an art show, an artist painted 26 pictures. During the show he sold 12 of his pictures. What is the ratio of pictures he still has to pictures he sold?
- 10) The ratio of white chocolate to dark chocolate sold at a candy shop was $5 : 1$. If there were 35 bars of white chocolate sold, how many bars of dark chocolate were sold?

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Answers

1. 5
2. 42
3. 7 : 4
4. 10
5. 20
6. 8 : 3
7. 25
8. 63
9. 7 : 6
10. 7



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8 : 3	7 : 6	63	5	10
20	7	7 : 4	42	25

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