

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

- 1) A buffet offers ranch or caesar dressing. The ratio of ranch dressing used to caesar dressing used is  $9 : 2$ . If the buffet uses 18 cases of ranch dressing, how many cases of caesar do they use?
- 2) A teacher had 63 red pens. If the ratio of red pens to blue pens she owned was  $9 : 8$ , how many pens did she have total?
- 3) On a Saturday, a library checked out 26 books. If 6 of the books were fiction, what is the ratio of non-fiction books to fiction books checked out?
- 4) During a class election 35 students voted for candidate A. If the ratio of votes for candidate A to the votes for candidate B was  $7 : 3$ , how many votes did candidate B receive?
- 5) While completing a race, Oliver spent 14 minutes walking. If his ratio of time walking to jogging was  $7 : 5$ , how many minutes did he spend completing the race?
- 6) Paul had 99 songs on his MP3 player. If he deleted 45 songs, what is the ratio of songs he kept to songs he deleted?
- 7) At an ice cream shop the ratio of sugar cones sold to waffle cones sold is  $5 : 3$ . If there are 35 sugar cones sold, how many waffles cones would be sold?
- 8) Mike was playing 'Connect Four' with a friend. The ratio of games he won to games he lost was  $3 : 2$ , if he won 9 games, how many games did they play total?
- 9) A fast food restaurant sells two sizes of fries, small and large. On Friday they sold 20 fries total. If 4 of the fries sold were small, what is the ratio of large fries sold to small fries sold?
- 10) At a farm the ratio of cows to horses was  $2 : 1$ . If there were 14 cows at the farm, how many horses were there?

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| 1) A buffet offers ranch or caesar dressing. The ratio of ranch dressing used to caesar dressing used is 9 : 2. If the buffet uses 18 cases of ranch dressing, how many cases of caesar do they use?   | 1. <u>4</u>      |
| 2) A teacher had 63 red pens. If the ratio of red pens to blue pens she owned was 9 : 8, how many pens did she have total?   | 2. <u>119</u>    |
| 3) On a Saturday, a library checked out 26 books. If 6 of the books were fiction, what is the ratio of non-fiction books to fiction books checked out?   | 3. <u>10 : 3</u> |
| 4) During a class election 35 students voted for candidate A. If the ratio of votes for candidate A to the votes for candidate B was 7 : 3, how many votes did candidate B receive?                    | 4. <u>15</u>     |
| 5) While completing a race, Oliver spent 14 minutes walking. If his ratio of time walking to jogging was 7 : 5, how many minutes did he spend completing the race?                                     | 5. <u>24</u>     |
| 6) Paul had 99 songs on his MP3 player. If he deleted 45 songs, what is the ratio of songs he kept to songs he deleted?  | 6. <u>6 : 5</u>  |
| 7) At an ice cream shop the ratio of sugar cones sold to waffle cones sold is 5 : 3. If there are 35 sugar cones sold, how many waffles cones would be sold?   | 7. <u>21</u>     |
| 8) Mike was playing 'Connect Four' with a friend. The ratio of games he won to games he lost was 3 : 2, if he won 9 games, how many games did they play total?   | 8. <u>15</u>     |
| 9) A fast food restaurant sells two sizes of fries, small and large. On Friday they sold 20 fries total. If 4 of the fries sold were small, what is the ratio of large fries sold to small fries sold? | 9. <u>4 : 1</u>  |
| 10) At a farm the ratio of cows to horses was 2 : 1. If there were 14 cows at the farm, how many horses were there?  | 10. <u>7</u>     |



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**Answers**

15	4	6 : 5	119	24
10 : 3	21	4 : 1	15	7

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