

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

- 1) A buffet offers ranch or caesar dressing. The ratio of ranch dressing used to caesar dressing used is $9 : 5$. If the buffet uses 54 cases of ranch dressing, how many cases of caesar do they use?
- 2) During a class election the ratio of students who voted for candidate A compared to candidate B was $8 : 3$. If candidate A received 64 votes, what is the combined amount of votes candidate A and candidate B received?
- 3) For an art show, an artist painted 90 pictures. During the show he sold 42 of his pictures. What is the ratio of pictures he still has to pictures he sold?
- 4) The ratio of shoes sold to sandals sold was $4 : 3$. If there were 20 shoes sold, how many sandals were sold?
- 5) While completing a race, Will spent 45 minutes walking. If his ratio of time walking to jogging was $5 : 3$, how many minutes did he spend completing the race?
- 6) A cafeteria offered two types of milk, regular or chocolate. If they sold 27 cartons total and 3 of them were regular flavor, what is the ratio of chocolate milk sold to regular milk sold?
- 7) The ratio of red cars to blue cars in a parking lot was $5 : 2$. If there were 20 red cars, how many blue cars were there?
- 8) A pet store sold 49 siamese cats. If the ratio of siamese cats to house cats sold was $7 : 5$, what is the combined amount of cats sold?
- 9) Tom had 117 songs on his MP3 player. If he deleted 27 songs, what is the ratio of songs he kept to songs he deleted?
- 10) During the lunch break a deli sold 50 large sodas. If the ratio of large sodas sold to small sodas sold was $10 : 1$, how many small sodas were sold?

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10. _____



Solve each problem.

Answers

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| 1) A buffet offers ranch or caesar dressing. The ratio of ranch dressing used to caesar dressing used is 9 : 5. If the buffet uses 54 cases of ranch dressing, how many cases of caesar do they use? | 1. 30 |
| 2) During a class election the ratio of students who voted for candidate A compared to candidate B was 8 : 3. If candidate A received 64 votes, what is the combined amount of votes candidate A and candidate B received? | 2. 88 |
| 3) For an art show, an artist painted 90 pictures. During the show he sold 42 of his pictures. What is the ratio of pictures he still has to pictures he sold? | 3. 8 : 7 |
| 4) The ratio of shoes sold to sandals sold was 4 : 3. If there were 20 shoes sold, how many sandals were sold? | 4. 15 |
| 5) While completing a race, Will spent 45 minutes walking. If his ratio of time walking to jogging was 5 : 3, how many minutes did he spend completing the race? | 5. 72 |
| 6) A cafeteria offered two types of milk, regular or chocolate. If they sold 27 cartons total and 3 of them were regular flavor, what is the ratio of chocolate milk sold to regular milk sold? | 6. 8 : 1 |
| 7) The ratio of red cars to blue cars in a parking lot was 5 : 2. If there were 20 red cars, how many blue cars were there? | 7. 8 |
| 8) A pet store sold 49 siamese cats. If the ratio of siamese cats to house cats sold was 7 : 5, what is the combined amount of cats sold? | 8. 84 |
| 9) Tom had 117 songs on his MP3 player. If he deleted 27 songs, what is the ratio of songs he kept to songs he deleted? | 9. 10 : 3 |
| 10) During the lunch break a deli sold 50 large sodas. If the ratio of large sodas sold to small sodas sold was 10 : 1, how many small sodas were sold? | 10. 5 |



Solve each problem.

Answers

8 : 7

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30

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15

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84

88

8 : 1

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