

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

- 1) During the lunch break a deli sold 24 large sodas. If the ratio of large sodas sold to small sodas sold was 8 : 3, how many small sodas were sold?
- 2) During a class election the ratio of students who voted for candidate A compared to candidate B was 9 : 7. If candidate A received 72 votes, what is the combined amount of votes candidate A and candidate B received?
- 3) For an art show, an artist painted 42 pictures. During the show he sold 15 of his pictures. What is the ratio of pictures he still has to pictures he sold?
- 4) A buffet offers ranch or caesar dressing. The ratio of ranch dressing used to caesar dressing used is 7 : 3. If the buffet uses 63 cases of ranch dressing, how many cases of caesar do they use?
- 5) While completing a race, Billy spent 24 minutes walking. If his ratio of time walking to jogging was 8 : 5, how many minutes did he spend completing the race?
- 6) At a bake sale there were 72 items sold total. If 16 of the items sold were cookies and the rest were brownies what is the ratio of brownies sold to cookies sold?
- 7) A vendor sold 10 hotdogs during a football game. If the ratio of hotdogs to hamburgers sold was 5 : 1, how many hamburgers did the vendor sell?
- 8) At a restaurant the ratio of kids meals sold to adult meals sold was 4 : 3. If there were 8 kids meals sold, what is the combined amount of kids and adult meals sold?
- 9) Oliver spent 30 minutes completing a race. He walked 12 minutes and jogged the rest. What is the ratio of time he jogged to time he walked?
- 10) Sam was playing checkers with a friend. The ratio of games Sam won was 9 : 4. If Sam won 18 games, how many games did his friend win?

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Answers

1. **9**
2. **128**
3. **$9 : 5$**
4. **27**
5. **39**
6. **$7 : 2$**
7. **2**
8. **14**
9. **$3 : 2$**
10. **8**



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27	7 : 2	9 : 5	39	128
9	14	3 : 2	8	2

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