

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

- 1) A vendor sold 32 hotdogs during a football game. If the ratio of hotdogs to hamburgers sold was 8 : 7, how many hamburgers did the vendor sell?
- 2) A farm had 28 cows. If the ratio of cows to horses was 7 : 3, what is the combined amount of cows and horses?
- 3) A parking lot has 52 spaces total. If 16 of the spaces have cars in them, what is the ratio of empty spaces to filled spaces?
- 4) At summer camp the ratio of boys to girls was 9 : 1. If there were 27 boys, how many girls were there?
- 5) At a book fair there were 32 fiction books sold. If the ratio of fiction books sold to non-fiction book sold was 4 : 3, how many books were sold total?
- 6) Dave had 88 songs on his MP3 player. If he deleted 8 songs, what is the ratio of songs he kept to songs he deleted?
- 7) At a restaurant the ratio of kids meals sold to adult meals sold was 9 : 2. If there were 63 kids meals sold, how many adult meals were sold?
- 8) Cody had beaten 72 levels in a video game. If the ratio of levels he had beaten to not beaten was 8 : 1, how many levels does the game have total?
- 9) At a bake sale there were 45 items sold total. If 10 of the items sold were cookies and the rest were brownies what is the ratio of brownies sold to cookies sold?
- 10) At the carnival, the ratio of people who won the ring toss game to lost it was 8 : 5. If 32 people won, how many people would have lost?

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1. **28**
2. **40**
3. **9 : 4**
4. **3**
5. **56**
6. **10 : 1**
7. **14**
8. **81**
9. **7 : 2**
10. **20**



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Answers

10 : 1

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