**Solve each problem.**

**1)** The ratio of white chocolate to dark chocolate sold at a candy shop was 10 : 1. If there were 70 bars of white chocolate sold, how many bars of dark chocolate were sold?

**2)** A parking lot has 12 empty space. If the ratio of empty spaces to taken spaces is 4 : 3, how many spaces are there total?

**3)** A chess player played 91 games total. If he won 42 of the games, what is the ratio of games he lost to games he won?

**4)** A vendor sold 27 hotdogs during a football game. If the ratio of hotdogs to hamburgers sold was 3 : 2, how many hamburgers did the vendor sell?

**5)** A student finished 15 of her homework problems in class. If the ratio of problems she finished to problems she still had left was 5 : 3, how many homework problems did she have total?

**6)** At a bake sale there were 117 items sold total. If 45 of the items sold were cookies and the rest were brownies what is the ratio of brownies sold to cookies sold?

**7)** At summer camp the ratio of boys to girls was 9 : 8. If there were 36 boys, how many girls were there?

**8)** A small school has 35 boys. If the ratio of boys to girls is 7 : 5, how many, students are there total?

**9)** For homework, a student had to complete 117 problems total. If she finished 36 problems in class, what is the ratio of problems she still needs to complete to problems that she's already finished?

**10)** During a race Gwen jogged for 18 minutes. If the ratio of time she jogged to time she walked was 3 : 1, how many minutes did Gwen walk?

**Answers**

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____



| 1-10 | 90 | 80 | 70 | 60 | 50 | 40 | 30 | 20 | 10 | 0 |
|---|---|---|---|---|---|---|---|---|---|---|

Understanding Ratios

Name: **Answer Key**

**Solve each problem.**

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**Answers**

1. **7**
2. **21**
3. **7 : 6**
4. **18**
5. **24**
6. **8 : 5**
7. **32**
8. **60**
9. **9 : 4**
10. **6**



| 1-10 | 90 | 80 | 70 | 60 | 50 | 40 | 30 | 20 | 10 | 0 |
|---|---|---|---|---|---|---|---|---|---|---|

Understanding Ratios Name:

**Solve each problem.**

| | | | | |
|---|---|---|---|---|
| 6 | 60 | 32 | 9 : 4 | 7 : 6 |
| 18 | 21 | 24 | 7 | 8 : 5 |

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|---|---|---|---|---|---|---|---|---|---|---|