|      | Understanding Ratios Name:   |            |
|------|--|------------|
| Solv | Answers  |            |
| 1)   | During a class election 16 students voted for candidate A. If the ratio of votes for candidate A to the votes for candidate B was 4 : 1, how many votes did candidate B receive? | 1.         |
| 2)   | While completing a race, Ned spent 42 minutes walking. If his ratio of time walking to jogging was 6 : 5, how many minutes did he spend completing the race?                     | 2<br>3     |
| 3)   | For an art show, an artist painted 75 pictures. During the show he sold 35 of his pictures.<br>What is the ratio of pictures he still has to pictures he sold?                   | 4.    5.   |
| 4)   | The ratio of red cars to blue cars in a parking lot was 7 : 3. If there were 28 red cars, how many blue cars were there?   | 6.         |
| 5)   | Jerry deleted 45 songs from his MP3 player. If the ratio of songs he deleted to songs he kept was 5 : 4, how many songs did he originally have on his MP3 player?                | 8.      9. |
| 6)   | A parking lot has 66 spaces total. If 12 of the spaces have cars in them, what is the ratio of empty spaces to filled spaces?  | 10         |
| 7)   | Tom was playing checkers with a friend. The ratio of games Tom won was 9 : 1. If Tom won 72 games, how many games did his friend win?  |            |
| 8)   | A farm had 6 cows. If the ratio of cows to horses was 3 : 1, what is the combined amount of cows and horses?   |            |
| 9)   | Dave had 39 songs on his MP3 player. If he deleted 15 songs, what is the ratio of songs he kept to songs he deleted?   |            |
| 10)  | At a restaurant the ratio of kids meals sold to adult meals sold was 10 : 7. If there were 30 kids meals sold, how many adult meals were sold?                                   |            |

Math

|                     | Understanding Ratios Name: A   | nswer Kev                    |  |  |  |  |  |  |  |
|---------------------|--|------------------------------|--|--|--|--|--|--|--|
| Solve each problem. |  |                              |  |  |  |  |  |  |  |
| 1)                  | During a class election 16 students voted for candidate A. If the ratio of votes for candidate A to the votes for candidate B was 4 : 1, how many votes did candidate B receive? | 1. <u>4</u>                  |  |  |  |  |  |  |  |
| 2)                  | While completing a race, Ned spent 42 minutes walking. If his ratio of time walking to jogging was 6 : 5, how many minutes did he spend completing the race?                     | 2. 77<br>3. 8:7              |  |  |  |  |  |  |  |
| 3)                  | For an art show, an artist painted 75 pictures. During the show he sold 35 of his pictures.<br>What is the ratio of pictures he still has to pictures he sold?                   | 4. <u>12</u><br>5. <u>81</u> |  |  |  |  |  |  |  |
| 4)                  | The ratio of red cars to blue cars in a parking lot was 7 : 3. If there were 28 red cars, how many blue cars were there?   | 6.  9:2    7.  8             |  |  |  |  |  |  |  |
| 5)                  | Jerry deleted 45 songs from his MP3 player. If the ratio of songs he deleted to songs he kept was 5 : 4, how many songs did he originally have on his MP3 player?                | 8.  8    9.  8:5             |  |  |  |  |  |  |  |
| 6)                  | A parking lot has 66 spaces total. If 12 of the spaces have cars in them, what is the ratio of empty spaces to filled spaces?  | 10. <b>21</b>                |  |  |  |  |  |  |  |
| 7)                  | Tom was playing checkers with a friend. The ratio of games Tom won was 9 : 1. If Tom won 72 games, how many games did his friend win?  |                              |  |  |  |  |  |  |  |
| 8)                  | A farm had 6 cows. If the ratio of cows to horses was 3 : 1, what is the combined amount of cows and horses?   |                              |  |  |  |  |  |  |  |
| 9)                  | Dave had 39 songs on his MP3 player. If he deleted 15 songs, what is the ratio of songs he kept to songs he deleted?   |                              |  |  |  |  |  |  |  |
| 10)                 | At a restaurant the ratio of kids meals sold to adult meals sold was 10 : 7. If there were 30 kids meals sold, how many adult meals were sold?                                   |                              |  |  |  |  |  |  |  |
|                     |  |                              |  |  |  |  |  |  |  |

Math

|           |  | Und   | erstanding Rati                              | los   | Name:                    |           |
|-----------|--|---|--|---|--------------------------|-----------|
| Solv      | e each probler                               | n.  |  |   |                          | Answers   |
| $\bigcap$ | 8  | 8:7   | 8  | 8:5   | 9:2                      |           |
|           | 4  | 77  | 21   | 12  | 81                       | 1         |
| 1)        | During a class<br>candidate A to<br>receive? | s election 16 students<br>the votes for candio    | s voted for candid<br>date B was 4 : 1, l    | ate A. If the ratio of now many votes did     | votes for<br>candidate B | 2         |
| 2)        | While comple<br>jogging was 6                | 4   |  |   |                          |           |
| 3)        | For an art sho<br>What is the ra             | w, an artist painted 7<br>tio of pictures he stil | 75 pictures. Durin<br>11 has to pictures h   | g the show he sold 3<br>ne sold?              | 35 of his pictures.      | 6         |
| 4)        | The ratio of re<br>many blue car             | ed cars to blue cars in<br>rs were there?         | n a parking lot wa                           | s 7 : 3. If there were                        | e 28 red cars, how       | 7.     8. |
| 5)        | Jerry deleted 4<br>kept was 5 : 4            | 45 songs from his M<br>, how many songs di        | P3 player. If the r<br>d he originally ha    | ratio of songs he dele<br>ave on his MP3 play | eted to songs he<br>er?  | 9.    10. |
| 6)        | A parking lot<br>empty spaces                | has 66 spaces total. I<br>to filled spaces?       | If 12 of the spaces                          | s have cars in them,                          | what is the ratio of     |           |
| 7)        | Tom was play<br>won 72 games                 | ving checkers with a s, how many games of         | friend. The ratio o<br>did his friend win    | of games Tom won v<br>?                       | was 9 : 1. If Tom        |           |
| 8)        | A farm had 6 of cows and h                   | cows. If the ratio of orses?                      | cows to horses w                             | as 3 : 1, what is the o                       | combined amount          |           |
| 9)        | Dave had 39 s<br>kept to songs               | songs on his MP3 pla<br>he deleted?               | ayer. If he deleted                          | 15 songs, what is th                          | ne ratio of songs he     |           |
| 10)       | At a restauran<br>kids meals sol             | t the ratio of kids me<br>ld, how many adult r    | eals sold to adult an adult neals were sold? | meals sold was 10 : '                         | 7. If there were 30      |           |

Math

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