Name: _____ Date: _____

Ratios and Fractions - Medium

Use the ratio to find what fraction of the whole each part is.

1. The ratio of wins to losses is 4:7. What fraction of the games played (no ties) are wins?
2. The ratio of girls to boys is 6:5. What fraction of the students in a class are girls?
3. The ratio of cats to dogs is 5:2. What fraction of the pets at a shelter are cats?
4. The ratio of apples to oranges is 6:1. What fraction of the pieces of fruit in a basket are apples?
5. The ratio of girls to boys is 8:1. What fraction of the students in a class are girls?
6. The ratio of fiction books to nonfiction books is 6:7. What fraction of the books on a shelf are fiction books?

Use the fraction to write the ratio.

7. 4/11 of the students in a class are girls; the rest are boys. What is the ratio of girls to boys?
8. 1/5 of the marbles in a bag are red marbles; the rest are blue marbles. What is the ratio of red marbles to blue marbles?
9. 9/10 of the pieces of fruit in a basket are apples; the rest are oranges. What is the ratio of apples to oranges?
10. 5/12 of the games played (no ties) are wins; the rest are losses. What is the ratio of wins to losses?

Name: _____ Date: _____

Ratios and Fractions - Medium

Use the fraction to write the ratio.

11. 3/4 of the marbles in a bag are red marbles; the rest are blue marbles. What is the ratio of red marbles to blue marbles?

12. 6/11 of the pets at a shelter are cats; the rest are dogs. What is the ratio of cats to dogs?

Is the ratio part-to-part or part-to-whole? Write it as a fraction too.

13. 1:8, the ratio of girls to boys

14. 9:5, the ratio of wins to losses

15. 6:7, the ratio of wins to losses

16. 1:6, the ratio of cats to dogs

17. 6:1, the ratio of red marbles to blue marbles

18. 8:11, the ratio of fiction books to all books on a shelf

19. 1:3, the ratio of fiction books to nonfiction books

20. 4:5, the ratio of girls to boys

Ratios and Fractions - Medium - Answer Key

1. The ratio of wins to losses is 4:7. What fraction of the games played (no ties) are wins?

   4/(4 + 7) = 4/11

2. The ratio of girls to boys is 6:5. What fraction of the students in a class are girls?

   6/(6 + 5) = 6/11

3. The ratio of cats to dogs is 5:2. What fraction of the pets at a shelter are cats?

   5/(5 + 2) = 5/7

4. The ratio of apples to oranges is 6:1. What fraction of the pieces of fruit in a basket are apples?

   6/(6 + 1) = 6/7

5. The ratio of girls to boys is 8:1. What fraction of the students in a class are girls?

   8/(8 + 1) = 8/9

6. The ratio of fiction books to nonfiction books is 6:7. What fraction of the books on a shelf are fiction books?

   6/(6 + 7) = 6/13

7. 4/11 of the students in a class are girls; the rest are boys. What is the ratio of girls to boys?

   4:7

8. 1/5 of the marbles in a bag are red marbles; the rest are blue marbles. What is the ratio of red marbles to blue marbles?

   1:4

9. 9/10 of the pieces of fruit in a basket are apples; the rest are oranges. What is the ratio of apples to oranges?

   9:1

10. 5/12 of the games played (no ties) are wins; the rest are losses. What is the ratio of wins to losses?

    5:7

Ratios and Fractions - Medium - Answer Key

11. 3/4 of the marbles in a bag are red marbles; the rest are blue marbles. What is the ratio of red marbles to blue marbles?
    3:1

12. 6/11 of the pets at a shelter are cats; the rest are dogs. What is the ratio of cats to dogs?
    6:5

13. 1:8, the ratio of girls to boys
    part-to-part; girls are 1/8 as many as boys

14. 9:5, the ratio of wins to losses
    part-to-part; wins are 9/5 as many as losses

15. 6:7, the ratio of wins to losses
    part-to-part; wins are 6/7 as many as losses

16. 1:6, the ratio of cats to dogs
    part-to-part; cats are 1/6 as many as dogs

17. 6:1, the ratio of red marbles to blue marbles
    part-to-part; red marbles are 6/1 as many as blue marbles

18. 8:11, the ratio of fiction books to all books on a shelf
    part-to-whole; 8/11 of the books on a shelf

19. 1:3, the ratio of fiction books to nonfiction books
    part-to-part; fiction books are 1/3 as many as nonfiction books

20. 4:5, the ratio of girls to boys
    part-to-part; girls are 4/5 as many as boys