

Understanding Ratios and Proportional Thinking

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5th Grade Math Practice

Name: _____

Date: _____

Solve each problem. Show your work when needed.

1. Express the ratio of 4 apples to 3 oranges in fraction form.

2. A recipe requires 2 cups of flour for every 3 cups of sugar. What is the ratio of flour to sugar?

3. Circle the correct ratio: 5::4:

10

or

2

4. Complete the ratio: $6: \underline{\quad} = 3:2$

5. The ratio 1:2 is the same as 2:4

True False

6. In a class, there are 12 boys and 8 girls. What is the ratio of boys to girls?

7. What is the ratio of 15 to 5 in simplest form?

8. If there are 10 cats and 5 dogs, what is the ratio of dogs to cats?

9. Which is a greater ratio: 3::7?:

5

or

4

10. If the ratio of red to blue marbles is 5:8, how many blue marbles are there if there are 25 red marbles?

11. The ratio 7:14 can be simplified to 1:2.

True False

12. A car travels 60 miles in 1 hour. What is the ratio of miles to hours traveled?

13. Write the ratio of 24 to 6 in simplest form.

14. A box contains 5 red balls and 15 blue balls. What is the ratio of red balls to total balls?

15. Which ratio is smaller: 2::8?:

5

or

3

Answer Key

1. 4/3 2. 2:3 3. 2:4 4. 4 5. True 6. 3:2 7. 3:1 8. 1:2 9. 4:7 10. 40 11. True 12. 60:1 13. 4:1 14. 1:4 15. 2:5