



# Ratios Introduction

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Grade: Grade 5

## Part A: Multiple Choice

Circle the best answer for each question.

1. A class has 12 boys and 16 girls. What is the part-to-part ratio of boys to girls in simplest form?

- A) 3:4
- B) 4:3
- C) 12:28
- D) 3:7

2. A bag has 5 red and 3 blue marbles. What is the part-to-whole ratio of red marbles to all marbles?

- A) 3:8
- B) 5:8
- C) 5:3
- D) 8:5

3. A recipe uses flour and sugar in a 3:2 ratio. If you use 9 cups of flour, how much sugar do you need?

- A) 4 cups
- B) 5 cups
- C) 6 cups
- D) 8 cups

4. In a class of 28 students, the ratio of boys to girls is 3:4. How many boys are in the class?

- A) 7
- B) 10
- C) 16
- D) 12

## Part B: Fill in the Blank

Write the correct answer on each line.

1. If 2:5 is the ratio of cats to dogs and there are 10 cats, then there are \_\_\_\_\_ dogs.
2. A team has 9 wins and 6 losses; the simplest part-to-part ratio of wins to losses is \_\_\_\_\_.
3. A jar has 4 red, 3 blue, and 5 green beads; the part-to-whole ratio of blue to all is \_\_\_\_\_.
4. Paint mix is 2:3 blue to white. For 12 cups of white, you need \_\_\_\_\_ cups of blue.
5. In a class of 30, the ratio of boys to girls is 2:3; the number of girls is \_\_\_\_\_.

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1. A class has 12 boys and 16 girls. What is the part-to-part ratio of boys to girls in simplest form?

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4. In a class of 28 students, the ratio of boys to girls is 3:4. How many boys are in the class?

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- B) 10
- C) 16
- D) 12

**Part B: Fill in the Blank**

Write the correct answer on each line.

1. If 2:5 is the ratio of cats to dogs and there are 10 cats, then there are 25 dogs.
2. A team has 9 wins and 6 losses; the simplest part-to-part ratio of wins to losses is 3:2.
3. A jar has 4 red, 3 blue, and 5 green beads; the part-to-whole ratio of blue to all is 3:12.
4. Paint mix is 2:3 blue to white. For 12 cups of white, you need 8 cups of blue.
5. In a class of 30, the ratio of boys to girls is 2:3; the number of girls is 18.