



Ratios Introduction

Name: _____

Date: _____

Grade: Grade 5

Part A: Multiple Choice

Circle the best answer for each question.

1. A soccer team won 8 games and lost 12 games. What is the simplest part-to-part ratio of wins to losses?

- A) 2:3
- B) 3:2
- C) 8:20
- D) 4:6

2. A box has 6 apples and 9 oranges. What is the part-to-whole ratio of apples to all fruit in simplest form?

- A) 6:9
- B) 2:5
- C) 3:5
- D) 2:3

3. Paint mixes red and yellow in a 4:5 ratio. If you use 20 cups of yellow, how many cups of red do you need?

- A) 15
- B) 20
- C) 16
- D) 25

4. In a class of 35, the ratio of boys to girls is 3:4. How many girls are in the class?

- A) 15
- B) 21
- C) 14
- D) 20

Part B: Fill in the Blank

Write the correct answer on each line.

1. A team plays 7 home games and 5 away games; the part-to-part ratio of home to away is _____.
2. A paint mix uses 3:7 red to white; for 21 cups white, you need _____ cups red.
3. A bag has 4 black and 6 white balls; the part-to-whole ratio of black to all in simplest form is _____.
4. In a class of 24, the ratio of boys to girls is 1:2; the number of girls is _____.
5. If a recipe uses sugar and flour in a 2:5 ratio and you use 20 cups flour, you need _____ cups sugar.

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Part B: Fill in the Blank

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1. A team plays 7 home games and 5 away games; the part-to-part ratio of home to away is 7:5.
2. A paint mix uses 3:7 red to white; for 21 cups white, you need 9 cups red.
3. A bag has 4 black and 6 white balls; the part-to-whole ratio of black to all in simplest form is 2:5.
4. In a class of 24, the ratio of boys to girls is 1:2; the number of girls is 16.
5. If a recipe uses sugar and flour in a 2:5 ratio and you use 20 cups flour, you need 8 cups sugar.