



Ratios Introduction

Name: _____

Date: _____

Grade: Grade 5

Part A: Multiple Choice

Circle the best answer for each question.

1. A map scale says 1 inch equals 50 miles. Two cities are 4 inches apart on the map. How many real miles apart are they?

- A) 200 miles
- B) 150 miles
- C) 100 miles
- D) 250 miles

2. A paint mix uses red, blue, and white in a 2:3:5 ratio. If 30 cups of paint are made, how many cups are blue?

- A) 6 cups
- B) 9 cups
- C) 12 cups
- D) 15 cups

3. A recipe serves 4 people using 2 cups of rice. To serve 10 people, how many cups of rice are needed?

- A) 4 cups
- B) 4.5 cups
- C) 5 cups
- D) 6 cups

4. A scale model has a ratio of 1:24. The real car is 192 inches long. How long is the model?

- A) 6 inches
- B) 7 inches
- C) 10 inches
- D) 8 inches

Part B: Fill in the Blank

Write the correct answer on each line.

1. A recipe uses flour, sugar, and butter in a 4:2:1 ratio. If 14 cups total are used, butter equals _____ cups.
2. On a map, 1 cm represents 25 km. Two towns are 6 cm apart on the map, so they are _____ km apart.
3. Mixing concrete uses cement, sand, and gravel in 1:2:4. To make 21 buckets, you need _____ buckets of gravel.
4. A scale drawing uses 1 inch = 8 feet. A room 32 feet long appears _____ inches on the drawing.
5. A juice mix has water, apple, and orange in 5:3:2. Out of 50 oz total, orange juice is _____ oz.

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