



Ratios Introduction

Name: _____

Date: _____

Grade: Grade 5

Part A: Multiple Choice

Circle the best answer for each question.

1. A trail mix has peanuts, raisins, and chocolate in a 5:3:2 ratio. In a 100 gram bag, how many grams are peanuts?

- A) 50 grams
- B) 30 grams
- C) 20 grams
- D) 60 grams

2. A model train has scale 1:50. The real train is 1500 cm long. How long is the model in centimeters?

- A) 50 cm
- B) 30 cm
- C) 25 cm
- D) 75 cm

3. A garden uses tulips, roses, and lilies in 4:5:6. Of 60 flowers, how many are lilies?

- A) 16 lilies
- B) 20 lilies
- C) 24 lilies
- D) 30 lilies

4. A map shows 2 inches equals 30 miles. A 9-inch distance on the map equals how many miles?

- A) 120 miles
- B) 90 miles
- C) 150 miles
- D) 135 miles

Part B: Fill in the Blank

Write the correct answer on each line.

1. Smoothie uses banana, berry, and yogurt in 3:2:5. For 20 oz total, banana is _____ oz.
2. A scale model uses 1:36. A real bus 540 inches long is modeled at _____ inches.
3. Mortar uses cement, lime, and sand in 1:1:6. For 24 buckets total, sand needs _____ buckets.
4. Map scale 1 inch equals 75 miles. Cities 5 inches apart are _____ miles apart in reality.
5. A recipe scaled up uses 4 cups flour for 6 loaves. For 15 loaves, you need _____ cups flour.

Part A: Multiple Choice

Circle the best answer for each question.

1. A trail mix has peanuts, raisins, and chocolate in a 5:3:2 ratio. In a 100 gram bag, how many grams are peanuts?

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4. A map shows 2 inches equals 30 miles. A 9-inch distance on the map equals how many miles?

- A) 120 miles
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- D) 135 miles

Part B: Fill in the Blank

Write the correct answer on each line.

1. Smoothie uses banana, berry, and yogurt in 3:2:5. For 20 oz total, banana is 6 oz.
2. A scale model uses 1:36. A real bus 540 inches long is modeled at 15 inches.
3. Mortar uses cement, lime, and sand in 1:1:6. For 24 buckets total, sand needs 18 buckets.
4. Map scale 1 inch equals 75 miles. Cities 5 inches apart are 375 miles apart in reality.
5. A recipe scaled up uses 4 cups flour for 6 loaves. For 15 loaves, you need 10 cups flour.