

Ratio and Measurement Units Exit Quiz

Part 1: Use the concept of ratio to convert the following units.

1. 150 quarts = _____ gallons

2. 50,000 grams = _____ kilograms

3. 3.5 grams = _____ milligrams

4. 14.4 inches = _____ feet

Part 2: Use the concept of ratio to solve the problem.

Mike grew 3 centimeters in 1 year. His height now is 2.4 meters. How tall was he last year in meters?

Ratio and Measurement Units Exit Quiz

Answers:

Part 1: Use the concept of ratio to convert the following units.

1. 150 quarts = 38 gallons

2. 50,000 grams = 50 kilograms

3. 3.5 grams = 3500 milligrams

4. 14.4 inches = 1.2 feet

Part 2: Use the concept of ratio to solve the problem.

Mike grew 3 centimeters in 1 year. His height now is 2.4m. How tall was he last year in meters?

Solution:

$$1 \text{ meter} = 100 \text{ centimeters}$$

$$2.4 \text{ meters} = 240 \text{ centimeters}$$

$$240 \text{ centimeters} - 3 \text{ centimeters} = 237 \text{ centimeters}$$

$$237 \text{ centimeters} = 2.37 \text{ meters}$$

Mike was 2.37 meters tall last year