**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?

**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 meter = 100 centimeters

2.4 meters = 240 centimeters

240 centimeters – 3 centimeters = 237 centimeters

237 centimeters = 2.37 meters

Mike was 2.37 meters tall last year