

MEASUREMENT 2

1. A wall measures $9.6 \text{ m} \times 3.2 \text{ m}$.
 - a. Find the area. _____
 - b. If 1 litre of paint covers 12 m^2 how many litres of paint is needed to double-coat this wall? _____

2. A rectangular tank measures $60 \text{ cm} \times 80 \text{ cm} \times 50 \text{ cm}$.
 - a. Find the volume. _____
 - b. How much water will it hold in litres? _____

3. A freezer compartment measures $1.2 \text{ m} \times 0.5 \text{ m} \times 0.4 \text{ m}$.
 - a. Find the volume. _____
 - b. How many one-litre bricks of ice cream will it hold? _____

4. Joan is 5 feet, 8 inches tall. How tall is she in cm and m?

cm _____

m _____

5. A salmon's mass is 2.8 kg. The cookbook says to cook it 20 minutes per pound. How long should the salmon be cooked? _____ hrs _____ min
6. The 1500 metre race is sometimes called the "metric mile". Which race is longer, the 1500 metre race or the mile and by how many metres? _____ m
7. An old road map suggests that the distance from Salmon Arm to Vancouver is 310 miles. How long would a return trip from Salmon Arm to Vancouver be in km? _____
8. The conversion for km per litre to miles per gallon is:
 $1 \text{ km/L} = 2.82 \text{ mi/gal}$
- Peter's car gets 12 km/L. How many miles per gallon is this? _____

ANSWER KEY

1. a. 30.7 m^2 $5.12 \approx 6 \text{ L}$

2. a. $240\,000 \text{ cm}^2$ b. 240 L

3. a. 0.24 m^3 or $240\,000 \text{ cm}^3$ b. 240

4. 172.7 cm 1.7 m

5. 2 hours 3.2 min

6. the mile race by 110 m

7. 998.2 km

8. 33.84 mi/gal

Source: Government of BC used with permission.