

MEASUREMENT 3

1. Measure the length of the bar in mm and cm.

cm \_\_\_\_\_

mm \_\_\_\_\_



2. Determine the following:

a. What is the boiling temperature of water in celsius? \_\_\_\_\_

b. Which of the following temperatures represents a cool day in British Columbia?

0°C, 10°, 20°C or 30°C

\_\_\_\_\_

3. Make the following conversions:

a. 605 mm = \_\_\_\_\_ cm

b. 0.0025 t = \_\_\_\_\_ kg

c. 0.43 ha = \_\_\_\_\_ m<sup>2</sup>

d. 8.2 L = \_\_\_\_\_ cm<sup>3</sup>

e. 24 h = \_\_\_\_\_ min

f. 9 840 cm<sup>2</sup> = \_\_\_\_\_ m<sup>2</sup>

g. 0.000 35 km = \_\_\_\_\_ m

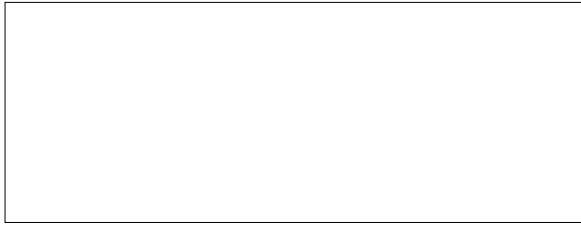
h. 63 400 g = \_\_\_\_\_ kg

i. 0.156 m = \_\_\_\_\_ mm

j. 0.0028 km<sup>2</sup> = \_\_\_\_\_ m<sup>2</sup>

k. 5 min 20 s = \_\_\_\_\_ s

4. Find the area of the rectangle in  $\text{cm}^2$ .



\_\_\_\_\_

5. A rectangular lot measures  $250 \text{ m} \times 300 \text{ m}$ .

a. Find the area in  $\text{m}^2$ .

\_\_\_\_\_

b. How many hectares is this lot?

\_\_\_\_\_

6. Make the following conversions:

a.  $5.9 \text{ L}$  of water = \_\_\_\_\_  $\text{kg}$  of water

b.  $36 \text{ g}$  of water = \_\_\_\_\_  $\text{mL}$  of water

c.  $0.52 \text{ t}$  of water = \_\_\_\_\_  $\text{L}$  of water

d.  $0.08 \text{ L}$  of water = \_\_\_\_\_  $\text{g}$  of water

## ANSWER KEY

1. 11.7 cm    117 mm

2. a. 100°C            b. 10°C

3. a. 60.5 cm            b. 2.5 kg            c. 4300 m<sup>2</sup>            d. 8200 cm<sup>3</sup>            e. 1440 min  
f. 0.984 m<sup>2</sup>            g. 0.35 m            h. 63.4 kg            i. 156 mm            j. 2800 m<sup>2</sup>  
k. 320 s

4. 22.6 cm<sup>2</sup> (approximately)

5. a. 75 000 m<sup>2</sup>            b. 7.5 ha

6. a. 5.9 kg            b. 36 ml            c. 520 L            d. 80 g

Source: Government of BC used with permission.