Name: _____   Date: _____

# Chapter 1 Test

Multiple Choice

1. 96 qt in pints is:

  A 192   **B** 96   **C** 24   **D** 12

2. 1280 fl oz in gallons is:

  A 4   **B** 8   **C** 10   **D** 16

3. 820 L, in gallons is approximately:

  A 102.5   **B** 207   **C** 6560   **D** 3280

4. 480 km, in miles is approximately:

  A 300   **B** 240   **C** 768   **D** 480

5. Keith's thermos is filled with 40 pt of hot tea. The number of quarts in his thermos is:

  A 80   **B** 20   **C** 10   **D** 5

6. If Nicole's grocery store charges $12 for 2.5 gal of apple juice. The cost of apple juice per litre is approximately:

  A $2.40   **B** $1.60   **C** $1.27   **D** $7.50

7. If Triangle MNO and Triangle PQR are similar, which statement is NOT true?

  A $\angle M = \angle P$
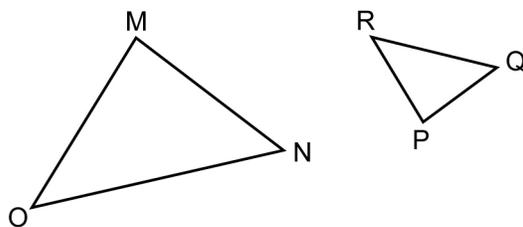
  B $\dfrac{MO}{PR} = 1$

  C NO is larger than QR

  D MN corresponds with PQ

8. The height of a soda can is 15 cm, while its shadow is 20 cm long. The carton of milk next to it is 10 cm tall. Determine the length of the carton's shadow to one tenth of centimetre.

  A 13.3 cm **B** 7.5 cm **C** 30 cm **D** 6.6 cm

Short Response

9. The temperature in Hawaii is 86°F, while the temperature in Peterborough is 26°C. Which place is warmer? By how many degrees Celsius?

10. Estimate each measure using the indicated units.

  a) 90 mL   tablespoons

  b) 25 gal   litres

  c) 160 km   miles

  d) 20 lb   grams

11. Segments MO and PQ are parallel. Determine the length of MO to the nearest tenth of a unit.
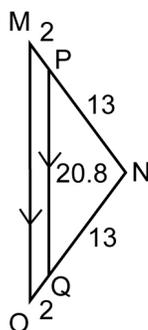
Extended Response

12. Martha needs a 9 ft by 12 ft piece of cloth to make a dress.

  a) What area of cloth is needed in square feet? In square yards?

  b) The cloth costs $1.25/yd². What is the total cost for the cloth?

13. Herman's Grocery charges $4.50 for 3 lb of apples, while Chi's Grocery charges $3.50 for 900 g. Which store has the better deal for apples? Show your work.

14. An apartment building is 500 m high. It casts a shadow 600 m long. The shadow of a neighbouring building is 900 m long. How tall is the neighbouring building?