

Chapter 1 Review

Key Terms

1.1 Imperial Measures

1. Convert each measure to the indicated unit.

- | | |
|--------------|--------------|
| a) 72 L | gallons |
| b) 180 fl oz | pints |
| c) 60 qt | fluid ounces |
| d) 50 gal | quarts |

2. Ellie wanted to build a fence around her rectangular garden. The garden is 10 ft by 20 ft.

- What is the perimeter of the garden in feet? In yards?
- If fencing costs \$2.50/yd, determine the costs of building the fence.

3. Lori wants to laminate a poster that is 9 ft by 6 ft.

- What is the area of the poster in square feet?
- What is the area of the poster in square yards?
- The store charges \$1.65/yd². How much will it cost to laminate the poster?

1.2 Conversions Between Metric and Imperial Systems

4. Estimate each measure using the indicated units.

- | | |
|-----------|-------------|
| a) 105 mL | tablespoons |
| b) 19 gal | litres |
| c) 12 L | quarts |
| d) 30 mi | kilometres |
| e) 10 yd | metres |

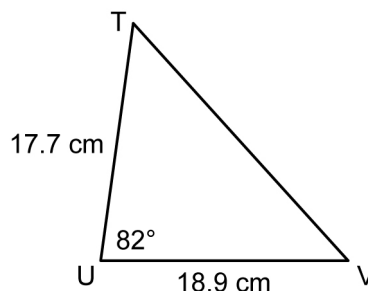
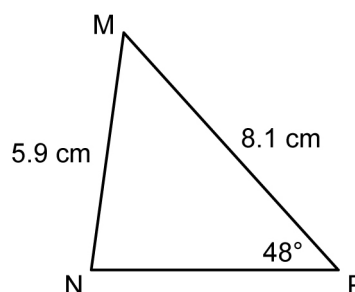
5. Donald bought 3 bags of milk for \$15. Each bag had 4 litres of milk. What was the cost of milk per gallon?

6. The temperature in Calgary is 18°C. The temperature in Green Bay is 50°F, and the temperature in Rochester is 40°F.

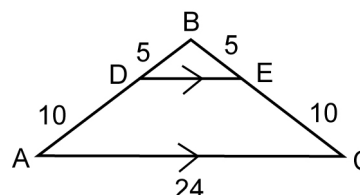
- Estimate the difference in temperature between Calgary and Green Bay in degrees Celsius.
- Estimate the difference in temperature between Calgary and Rochester in degrees Celsius.

1.3 Similar Triangles

7. Triangles MNP and TUV are similar. Find the missing side and angle measures.



8. Segment AC is parallel to segment DE. Determine the length of DE to the nearest tenth of a unit.



1.4 Solve Problems Using Similar Triangles

9. James is 1.2 m tall, while his teacher is 1.6 m tall. If James' shadow is 2 m long, how long is his teacher's shadow?