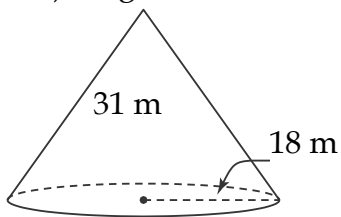
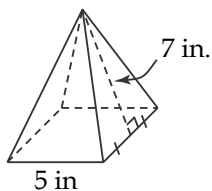


Measurement Review – Chapter 1

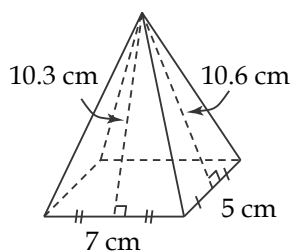
- Which imperial unit is best to measure each item below:
mile, yard, foot, or inch?
 - the distance between your locker and the front door of the school
 - the width of a house
 - the distance around a pop can
- Convert:
 - 84 ft. to yards
 - 9 ft 7 in. to inches
- Convert:
 - 17 yd. to metres
 - 68 mi. to kilometres
- Ryan drove 19 km to watch a lacrosse game. Julie drove 11 mi. to see the same game. Who drove farther?
- Find the surface area of each object, to the nearest square unit.
 - a right cone



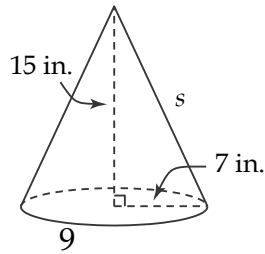
- a square pyramid



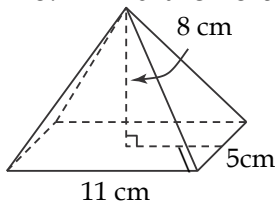
- Find the surface area of this rectangular pyramid.



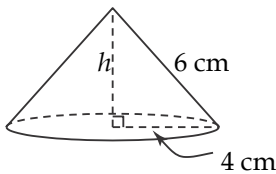
7. Is the surface area of this cone less than 500



8. Find the volume of this rectangular pyramid, to the nearest cubic centimetre.

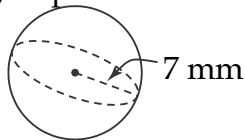


9. A bowl of sugar was knocked over. The spilled sugar formed this cone. How much sugar was in the pile?

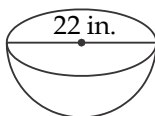


10. Find the surface area and volume of each object. Give the answers to the nearest whole number of units.

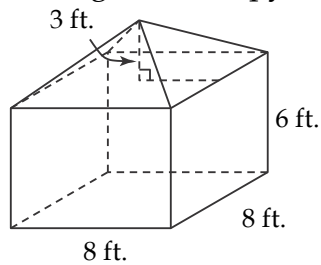
a) a sphere



b) a hemisphere



11. A garden shed has the shape of a square pyramid on top of a square prism. Both the pyramid and the prism have base side length 8 ft. The prism is 6 ft. high and the pyramid is 3 ft. high.



- a) Find the surface area of the shed. Do not include the base of the shed.
- b) How much space is inside the shed?

Measurement Solutions

1. **a)** The yard **b)** The foot or yard **c)** The inch
2. **a)** 28 yd. **b)** 115 in.
3. **a)** 15.3 m **b)** 108.8 km
4. Ryan
5. **a)** 2771 m² **b)** 95 square inches

6. 160.1 cm² **7.** No; 518 square inches
8. 147 cm³ **9.** 75 cm³
10. **a)** 616 mm²; 1437 mm³
b) 1140 square inches; 2788 cubic inches
11. **a)** 272 square feet **b)** 448 cubic feet