d.

2048 in²

1536 in²

a.

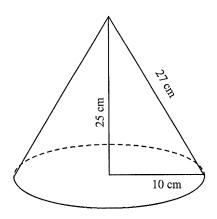
1024 in²

256 in²

- 8. An aluminum pop can measures 11 cm high and has a radius of 3 cm. What is the surface area of the can, to 2 decimal places?
 - a. 28.27 cm
 - b. 367.57 cm

- c. 263.89 cm
- d. 226.19 cm

9. Find the surface area of this cone. Include the surface area of the base of the cone. Round to 1 decimal place.



- a. 21519.9 cm²
- b. 879.6 cm²

- c. 1162.4 cm²
- d. 1099.6 cm²
- 10. What is the volume of a cube that measures 23" on each side?
 - a. 12 167 cu in

c. 529 cu in

b. 4232 cu in

d. 2116 cu in

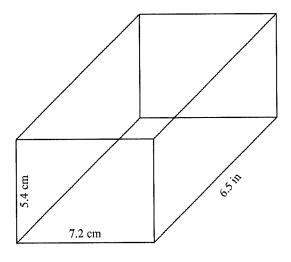
- 11. How many mL are in 1 cup?
 - a. 100 mL

c. 300 mL

b. 250 mL

d. 500 mL

12. Find the volume of the rectangular prism below, in cm³.



- a. 708.5 cm^3
- b. 252.7 cm³

- c. 493.6 cm³
- d. 641.5 cm³
- 13. A garden has an area of 24 yd². It is covered in topsoil that is 3 in deep. What is the volume of topsoil used, in yd³?
 - a. 72 yd³

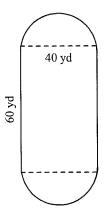
c. 6 yd^3

b. 2 yd^3

d. 24 yd³

Short Answer

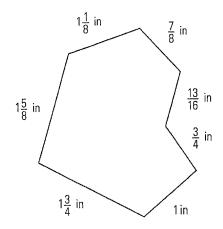
1. Find the distance Lori runs if she completes 9 laps of this track.



2. A fish tank measures 5 ft by 39 in by 27 in. For the best health of the fish, the tank should only be 75% full. What volume of water should the tank hold, in cubic feet?

Problem

1. What is the perimeter of this figure?



2. Allanah can kick a rugby ball 72 feet. Cory is standing 27 metres away. Will the ball reach Cory?

3. Sandro enjoys modelling famous buildings. He has decided to make a scale model of the square-based Pyramid of Khafre, one of the ancient Egyptian Pyramids of Giza.

Sandro knows the pyramid had a base length of 706 ft and a slant length of 589 ft.

a) What is the surface area of the pyramid? Don't include the bottom of the pyramid.

Name:	
maine.	

ID: A

4. Paula owns an manufactured car that has a fuel capacity of 13 gallons. She wishes to fill up her tank before leaving on a long trip. Her tank is currently $\frac{5}{8}$ full. Gas costs \$1.18/L. What will it cost her to fill up?