

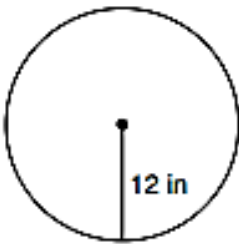
Volume: Week 8 Distance Learning Notes

Areas of Circles

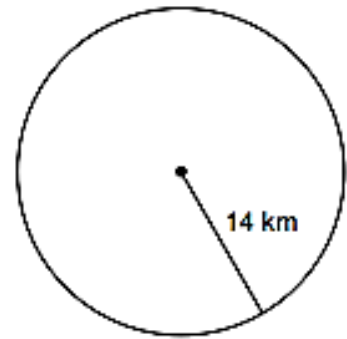
Find the area of each circle. Use 3.14 for π . Round to 1 decimal point if needed. LABEL!!

Circle Area Formula: _____

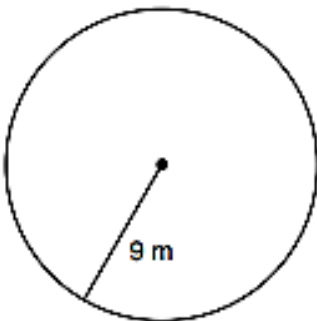
1)



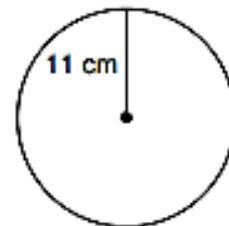
2)



3)



4)



5) radius = 2.6 in

6) radius = 34.1 in

7) radius = 13.2 km

8) radius = 29.9 km

Areas of Compound Figures

Find the area of each compound figure. (Hint: Find the area of each shape and add them together!) Use 3.14 for π . Round to 1 decimal point if needed. LABEL!!

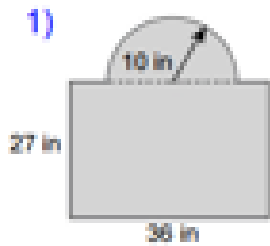
Area Formulas You Need to Know:

Circle

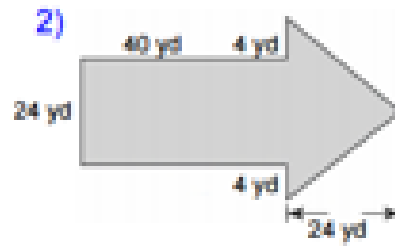
Semi-Circle

Rectangles/Squares

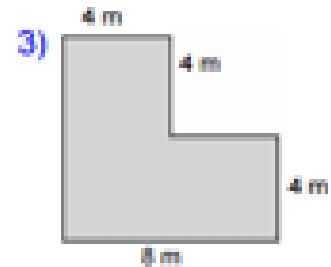
Triangles



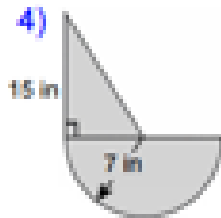
Area: _____



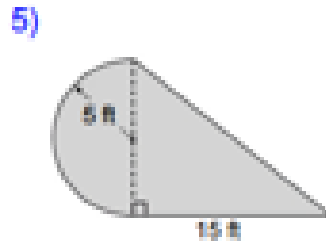
Area: _____



Area: _____



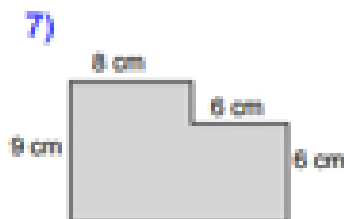
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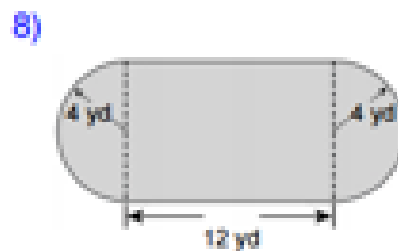
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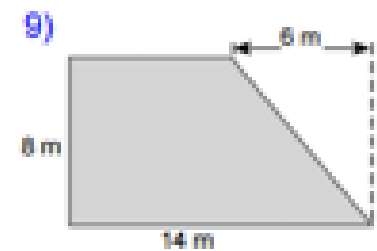
Area: _____



Area: _____



Area: _____



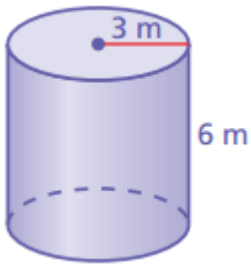
Area: _____

Lesson 1: Volumes of Cylinders

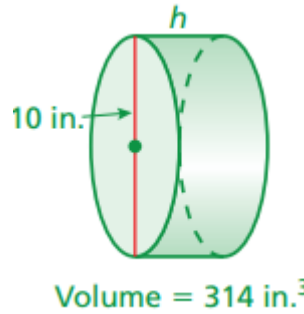
Volume of a Cylinder

Use 3.14 for π .

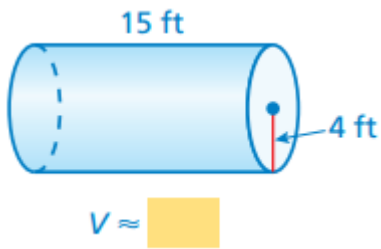
Find the volume V or height h of the cylinder.
Round your answer to the nearest tenth.



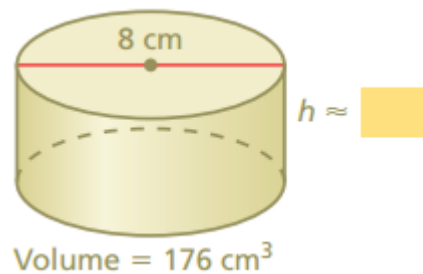
Find the volume V or height h of the cylinder.
Round your answer to the nearest tenth.



Find the volume V or height h of the cylinder.
Round your answer to the nearest tenth.



Find the volume V or height h of the cylinder.
Round your answer to the nearest tenth.



How much salsa is missing from the jar?



What if the height of the jar is 5 centimeters? How much salsa is missing from the jar?

About how many gallons of what does the watercooler bottle contain? ($1 \text{ ft}^3 = 7.5 \text{ gal}$)



A cylindrical water tower has a diameter of 15 meters and a height of 5 meters. About how many gallons of water can the tower contain? ($1 \text{ m}^3 = 264 \text{ gal}$)