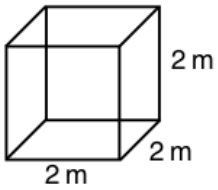
Volume Name:

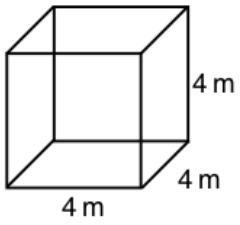
Area
measures how much space
a flat shape covers
on a 2D surface (like a piece of paper).

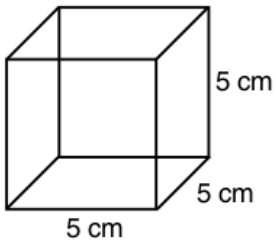
Volume
measures how much space
a 3D object takes up,
considering its length, width, and height.

Area: How much space you need to paint a wall.
Volume: How much water a bathtub can hold.

Calculate the volume of each cube. Show how you arrived at your solution.

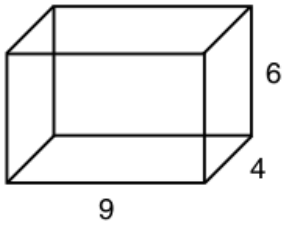




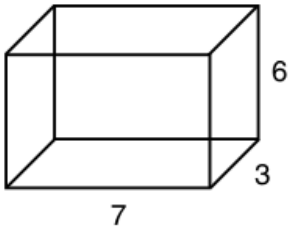


Calculate the volume of each rectangular prism. Show how you arrived at your solution.

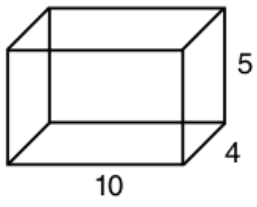
a



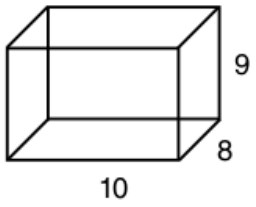
b



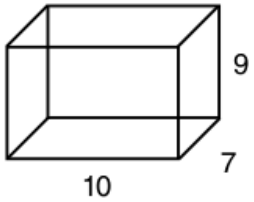
c



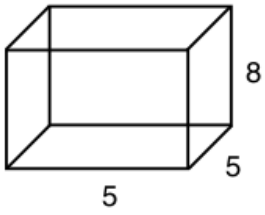
d



e



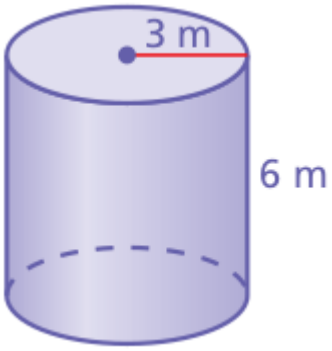
f



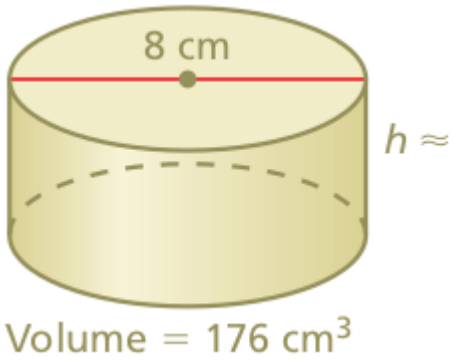
To find the volume of a cylinder you can use the formula → $\pi r^2 h$

→ Radius (r): The distance from the center of the circle to its edge.
→ Height (h): The distance from the bottom base to the top base.
→ π (pi): the ratio of the circumference of a circle to its diameter; approximately 3.14

Calculate the volume of the cylinder below…show your work:



Calculate the height of the cylinder below…show your work:



How much salsa has been consumed (eaten)? Show your work: