

I. PERIMETER

Perimeter is defined as *the distance around a plane figure*. If the figure is a polygon, its perimeter is the sum of the lengths of its sides. Recall a *polygon* is a *simple closed curve* made up of *line segments*.

II. AREA

Area is measured in square units and the area of a region is the number of nonoverlapping square units that covers the region.

III. VOLUME

Similar to area, volume is measured in cubic units and the volume of a region is the number of nonintersecting unit cubes that fill the region.



Math 100/P11

-Practice Test problem!

Write the formula for an object's new $\left(\frac{SA}{V}\right)$ ratio given that it is tripled 4 times.

$$\left(\frac{SA}{V}\right)_{new} = \left(\frac{SA}{V}\right)_{original}$$

Find the $\left(\frac{SA}{V}\right)$ ratio of the following object given the net diagrams below:

