

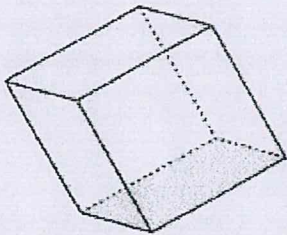
Grade 8 Math – Measurement **Surface Area of 3D Shapes 4**

Name: _____ Class: _____

We have been working at surface area for a bit and now we are going to step it up and work backwards to find the lengths from the surface area.

1.

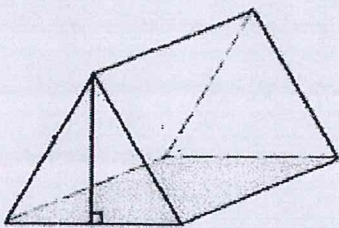
The total surface area of this cube is 216 m^2 . What is the length, width and height dimensions?



What is the volume in cubic feet?

2.

This equilateral, right triangular prism has total surface area of 484.7 m^2 . We know that the triangular face has an area of 62.35 m^2 and a side length of 12 m. What is the depth of the prism?



What is the volume in cubic yards?

