

Math 7 - Unit 5

Day 14 - Surface Area of Prisms

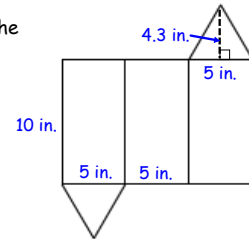
Lesson Objectives:

- I can draw geometric shapes with given conditions.
- I can solve real-world and mathematical problems involving area of three-dimensional objects composed of triangles, quadrilaterals, polygons, cubes, and right prisms.

The amount of material it would take to cover a geometric solid is called the **surface area**.

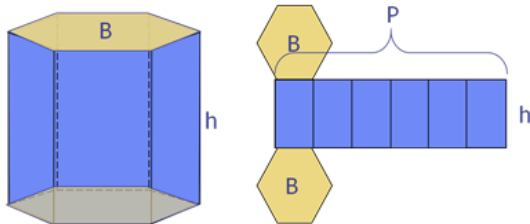
We often use nets to help us find the surface area of a solid.

Find the surface area of the triangle prism.



Surface Area of a Prism:

Formula

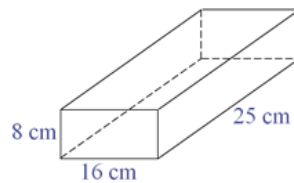


B is the Area of the Polygon Base

P is the perimeter of the polygon

h is the height of the prism

Find the surface area of each solid.

Homework

6.2 pg 260 #1-19, 21, 23-27

* Individual Think Time *

What to do if you get stuck...

1. Reread the problem. Did you write it down correctly?
2. Reread your notes. Is there a problem similar that we did together in class?
3. Find a problem similar in your book. Try this one to see if it helps.
4. Skip the problem until the end of Individual Think Time. Then ask an "educated" question of a neighbor or Mrs. Call.

Today we're working by...

