10.7 notes.notebook May 22, 2018

10-7 Volume of Rectangular Prisms

5-22-18 Pg. 572

Volume is the number of cubic units needed to fill a space.

You find the volume of a rectangular prism by multiplying:

LENGTH TIMES WIDTH TIMES HEIGHT!
OR *lwh*

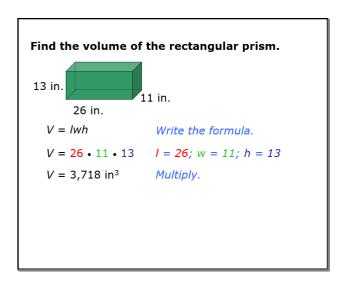
May 17-8:06 AM May 17-8:07 AM

It takes 10, or $5 \cdot 2$, centimeter cubes to cover the bottom layer of this rectangular prism.

There are 3 layers of 10 cubes each to fill the prism. It takes 30, or $5 \cdot 2 \cdot 3$, cubes.

Volume is expressed in cubic units, so the volume of the prism is 5 cm.

2 cm · 3 cm = 30 cm³.



May 17-8:08 AM May 17-8:09 AM

