

March 28, 2012

M7H

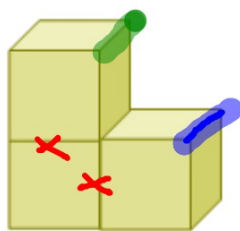


3/28 - Drawing/Analyzing 3-dimensional figures

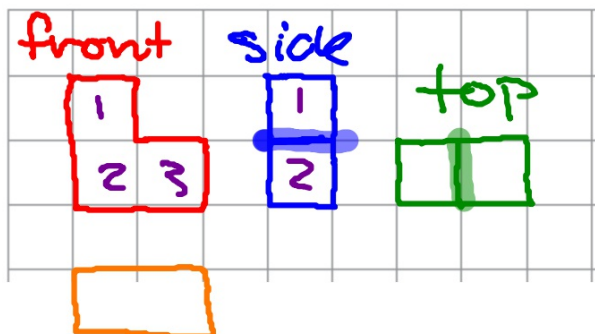
1 ACTIVITY: Finding Surface Areas and Volumes

Work with a partner.

Draw the front, side, and top views of each stack of cubes. Then find the surface area and volume. Each small cube has side lengths of 1 unit.



bottom

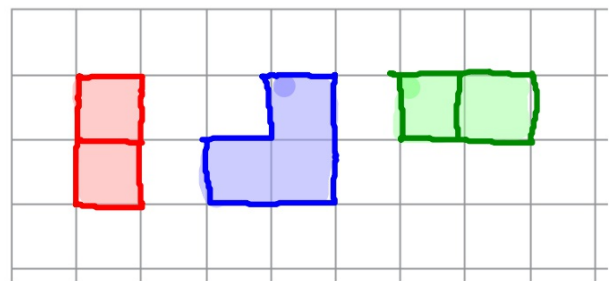
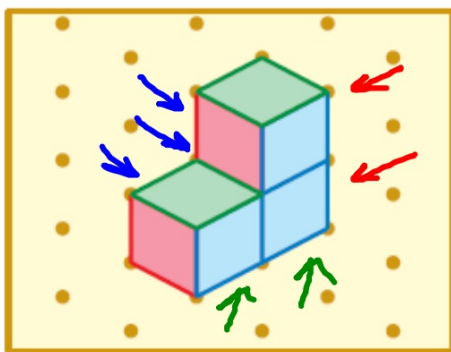


Surface Area (in squares)

$$3 + 3 + 2 + 2 + 2 + 2 = 14 \text{ squares}$$

$$\text{Volume (in cubes)} = 3 \text{ cubes}$$

Draw the **front**, **side**, and **top** views of each stack of cubes. Then find the surface area and volume. Each small cube has side lengths of 1 unit.



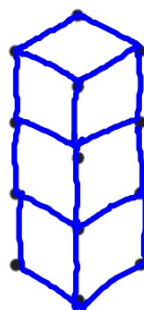
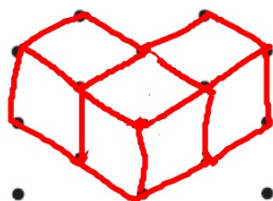
Volume = 3 cubes

Surface area = 14 squares
 $2 + 2 + 2 + 2 + 3 + 3$

2

ACTIVITY: Drawing Solids

Draw all the different solids you can make by joining three cubes.
Cubes must be joined on faces, not on edges only.



Homework

Green Geometry WS3

Due Thursday