Discuss one interesting thing you did over spring break.

8.2 Area of Rectangles

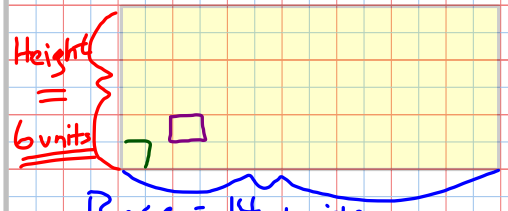
April 16, 2007

Area: the Amount of ~~Space~~ (stuff) inside an object.

Units? Squared units

Area of a Rectangle:

Base: length
height: width



* The height will always form 90° angle w/ the Base!

□ = 1 sq. unit

there are 84 sq. units

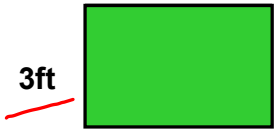
6 units • 14 units = 84 sq. units

Formula of the Area of a Rectangle

$$A_R = b \cdot h$$

$$= 14 \text{ units} \cdot 6 \text{ units} = 84 \text{ units}^2$$

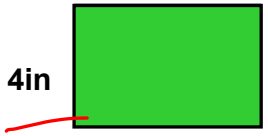
Area of a Rectangle:



$$A_R = b \cdot h$$

$$A_R = 4\,ft \cdot 3\,ft$$

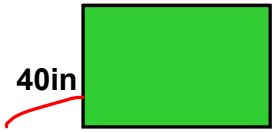
$$= 12\,ft^2$$



$$A_R = b \cdot h$$

$$A_R = 20\,in \cdot 4\,in$$

$$= 80\,in^2$$



$$A_R = b \cdot h$$

$$A_R = 25\,in \cdot 40\,in$$

$$= 1000\,in^2$$

Why do we need Area of a Rectangle?

Save Money!

Cake : Conserve

Examples

Dry Wall

Cake ... ummmm

O.T.L.

Pg. 249: Exp.: 1, 6
Written: 5, 9, 11