Area

Square	**Rectangle**
2” by 2”	**2” by 5”**

Finding the Area of a Square

Formula
A = Length “ℓ” (*) Width “w”

A = Base “b” (X) Height “h”

Our Square: Length of 2
Width of 2

In the formula

2 (X) 2 = _____

Find the Area of a Rectangle

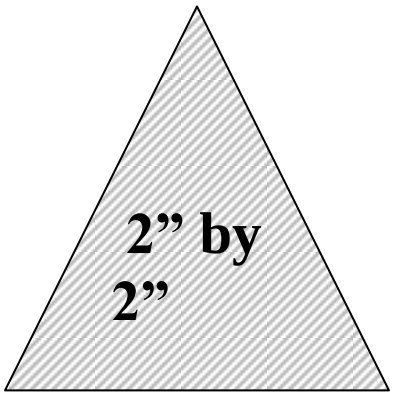
Formula
A = Length “ℓ” (X) Width “w”

A = Base “b” (X) Height “h”

Our Rectangle: Length of 5
Width of 2

In the formula

5 (X) 2 = _____



Find the Area of a triangle

A = $\frac{\text{Length “}\ell\text{ ” (*) Width “}w\text{ ”}}{2}$

A = $\frac{\text{Base “b” (*) Height “h”}}{2}$

A = ½ Base “b” (*) Height “h”

In the formula

$\frac{2\ (*)\ 2}{2}$=A or A = ½ b(*)h

½ 2 (*) 2=_____

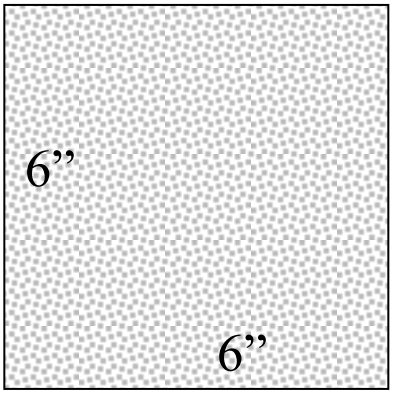
½ 4= _____

Now Try: Work with you partner and try to solve these.

A = 6” by 6” Square

A = 10” by 12” Rectangle

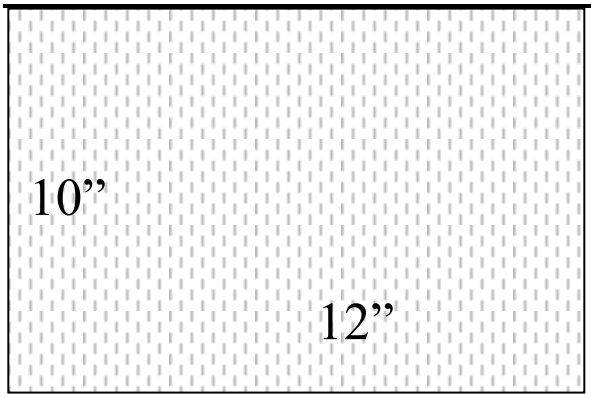
A = 7” by 6” Triangle



Area of a Square = $\ell \cdot w$

A = 6” X 6”

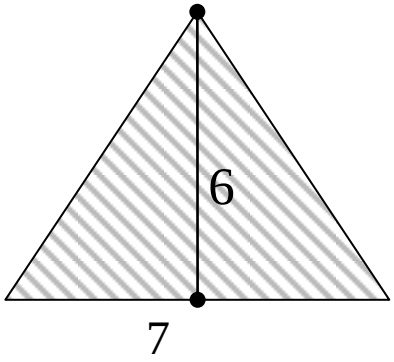
=_____in—



Area of a Rectangle = $\ell \cdot w$

A = 10” • 12”

= _____ in—



Area of a Triangle = $\frac{b \cdot h}{2}$

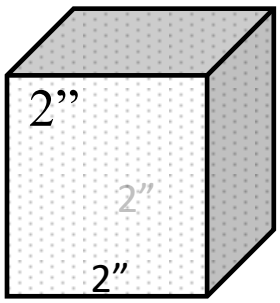
A = $\frac{7” \cdot 6”}{2}$

A = 42”/ 2

A = _____in—

Volume

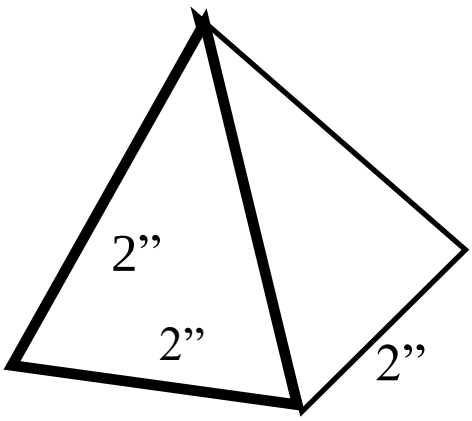
Volume of a Cube



V = Length • Width • Height

V = $\ell \cdot w \cdot h$

Volume of a Triangular Pyramid



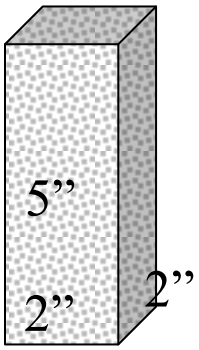
Volume of a Prism:

Formula:

$$V = \frac{\ell \cdot w \cdot h}{2}$$

Or

V= ½ B*h



Volume of a Rectangle:

Formula:

V = $\ell \cdot w \cdot h$

V = ___ • ___ • _

Now Try: Work with you partner and try to solve these.

Volume:

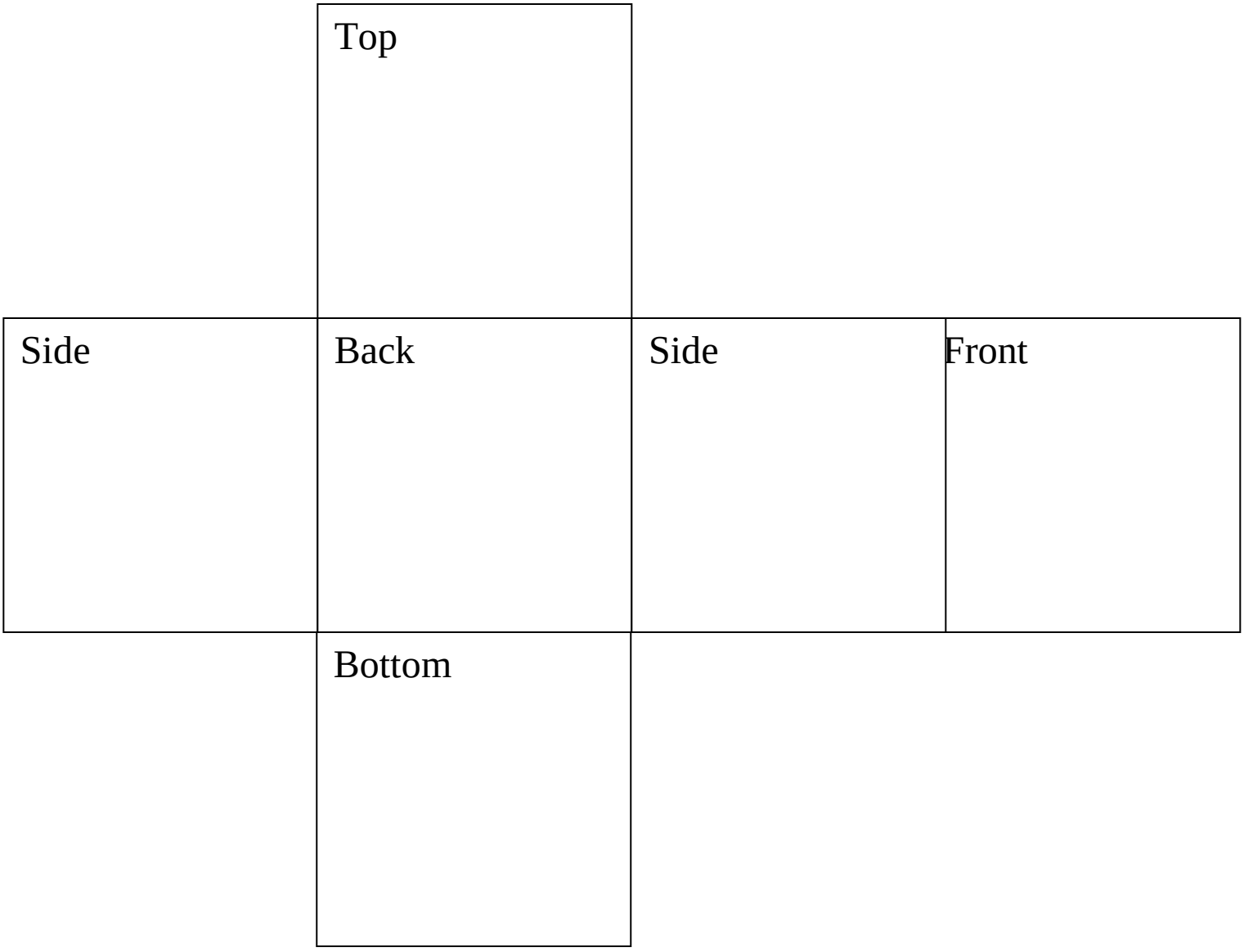
Cube: 3” by 3” by 3” V=_____

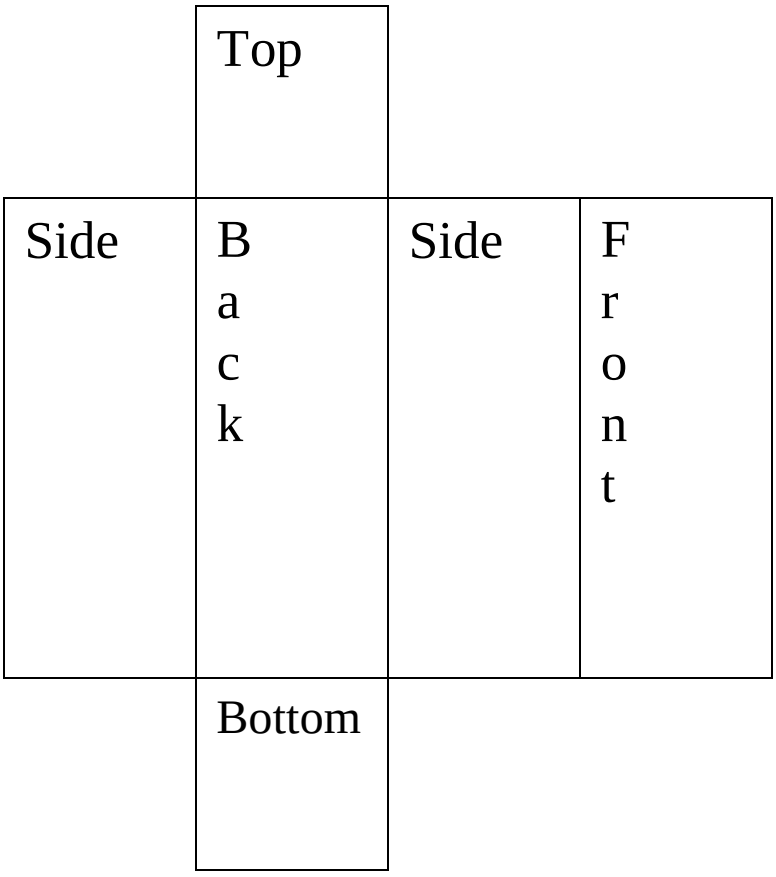
Rectangular Prism 4’ by 6’ by 10’ V=_____

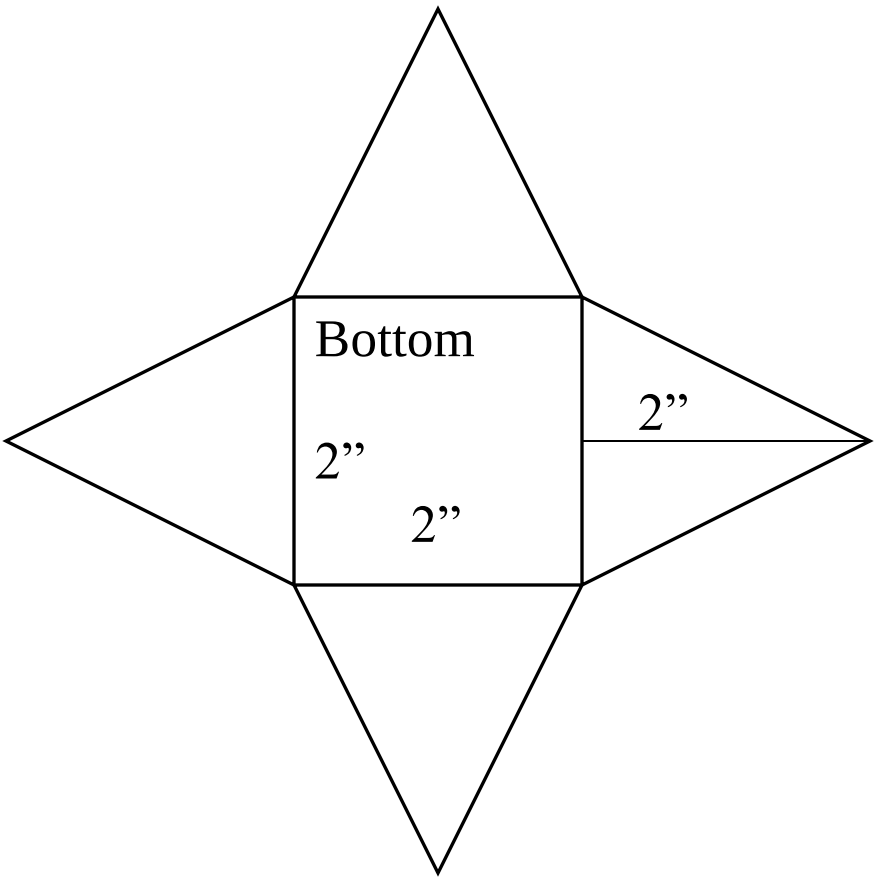
Rectangular Pyramid Base 5cm by 5 cm height 12cm V=_____

Triangular Pyramid Base is 20m height is 16m V=_____

Surface Area:




Top
Side
Back
Side
Front
Bottom


Bottom
2”
2”
2”