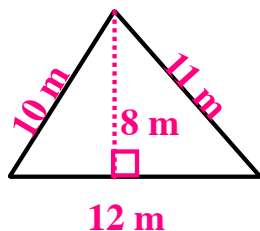


## Skills You'll Need

What is the *height* of a triangle?

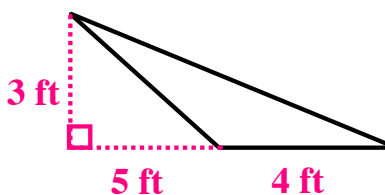
Find the area of each triangle.



$$A = \frac{1}{2}bh$$

$$A = \frac{1}{2}(12)(8)$$

$$A = 48 \text{ m}^2$$



$$A = \frac{1}{2}(4)(3)$$

$$A = 6 \text{ ft}^2$$

## 7th Grade Lesson 7-2: Surface Areas of Prisms & Cylinders

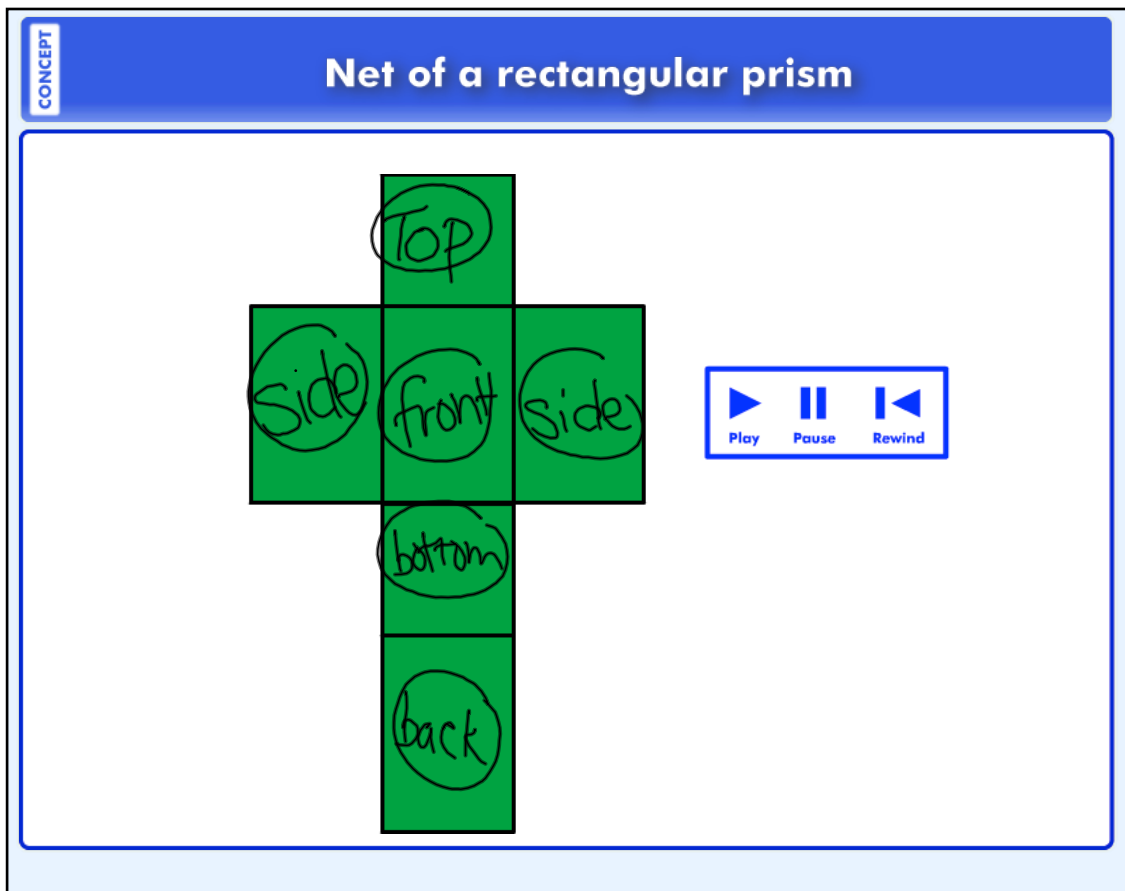
### Learning Goal:

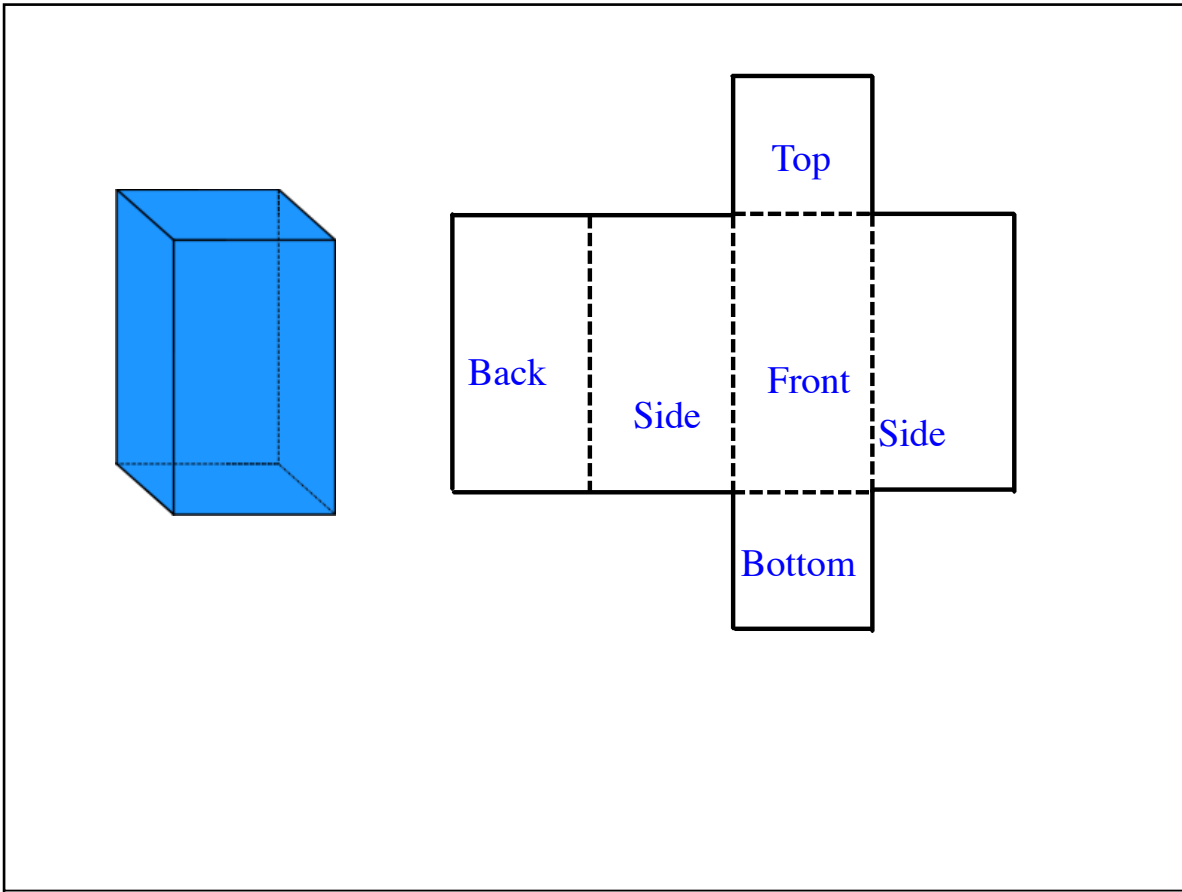
- I can find the surface areas of prisms and cylinders using nets.

### What I Know:

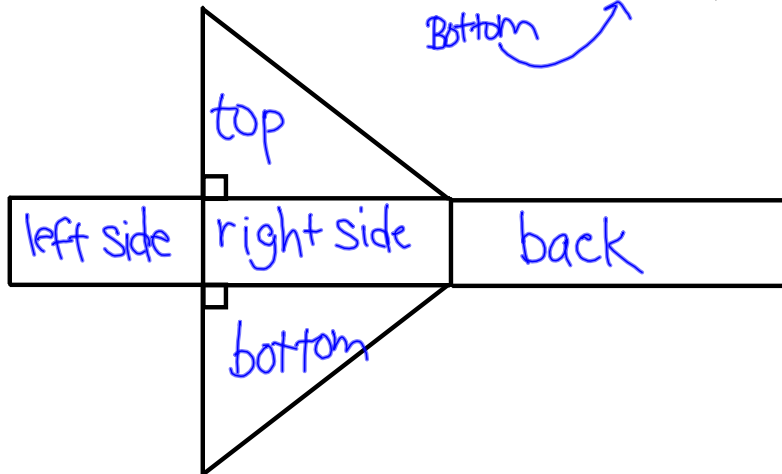
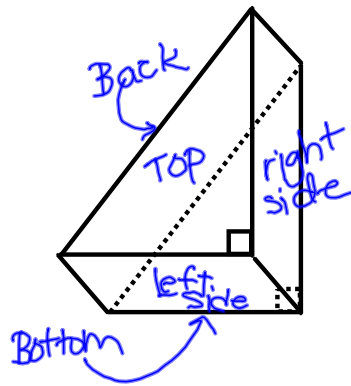
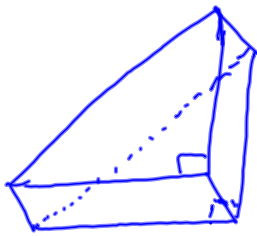
### What I Learned:

Vocabulary Word			
<b>net</b>	Example	Definition:	<b>a two-dimensional pattern that you can fold to form a three-dimensional figure</b>
Picture or Symbol	Non-Example	Sentence:	
Vocabulary Word			
Picture or Symbol	Example	Definition:	
Picture or Symbol	Non-Example	Sentence:	
Vocabulary Word			
Picture or Symbol	Example	Definition:	
Picture or Symbol	Non-Example	Sentence:	

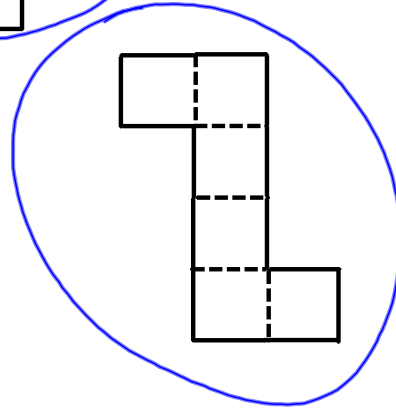
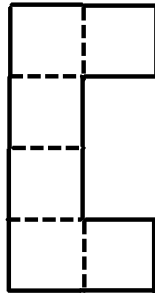
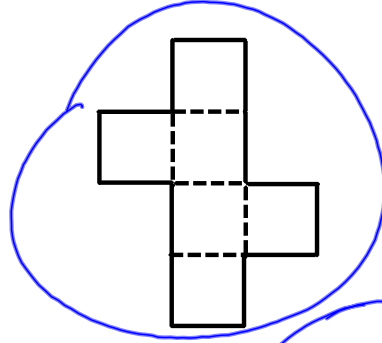
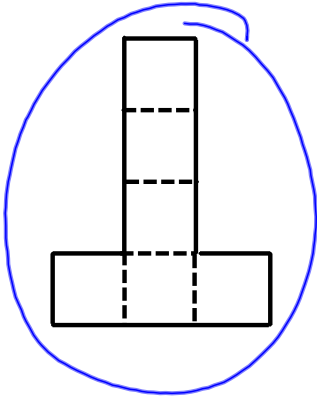




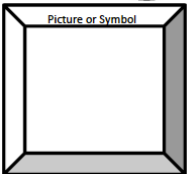
### Drawing a Net



## Which nets will make a cube?



Vocabulary Word  
**surface area**



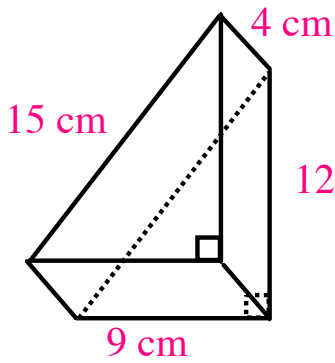
Example

Non-Example

Definition: **the sum of all the areas of the faces**

Sentence:

# Finding the Surface Area of a Prism

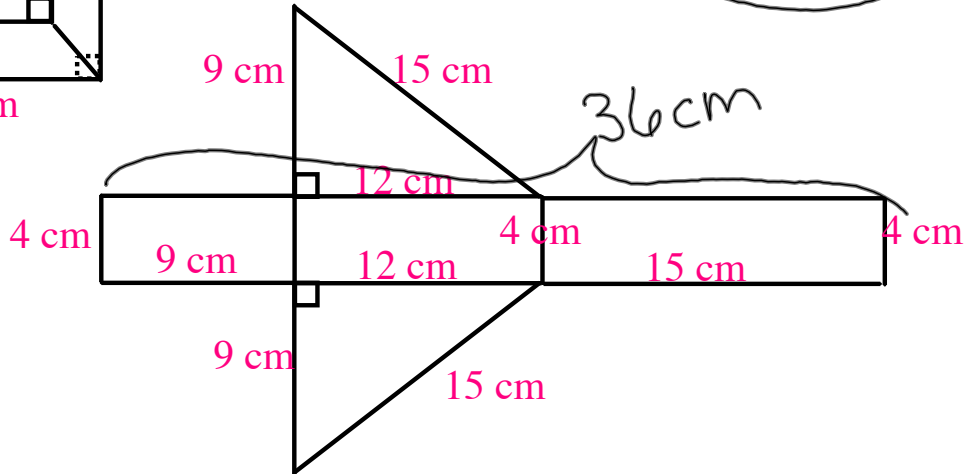


$$SA = 54 + 54 + 36 + 48 + 60$$

$$SA = 252 \text{ cm}^2$$

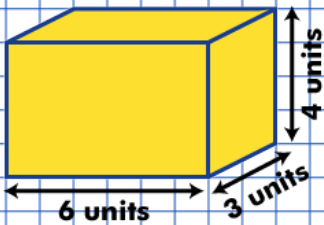
$$SA = 2B + LA$$

$$SA = 2(54) + 144 = 252 \text{ cm}^2$$

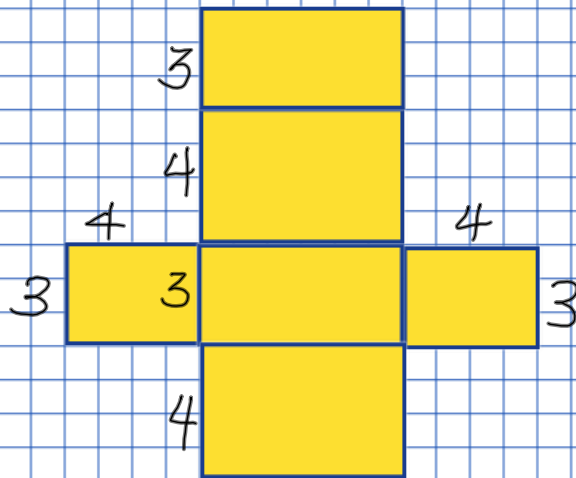


PRACTICE

Draw the net of this rectangular prism and find the surface area



CLONE



$$SA = 2(12) + 84 = 108 \text{ units}^2$$

# Assignment

## 7th Grade Lesson 7-2a

Pg. 259 #5-11

