

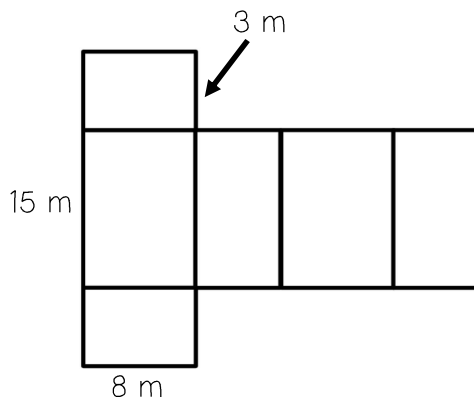
SURFACE AREA OF NETS

SURFACE AREA

- Surface area is the total _____ on the _____ of a three-dimensional object. It is measured in _____.
- Ex: _____

Use your understanding of surface area to answer the questions below.

1. Decompose the net into shapes and complete the table to determine the total surface area of the rectangular prism. Label each face of the net with the area to visualize it.

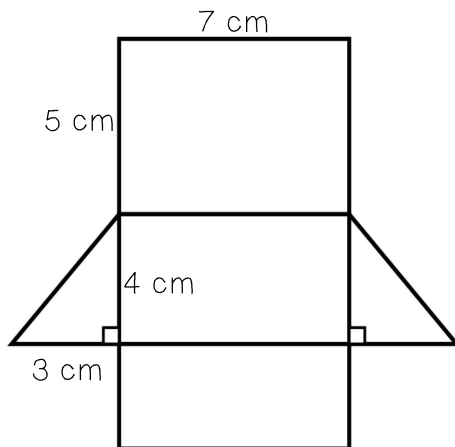


	SHAPE 1	SHAPE 2	SHAPE 3
FORMULA			
PLUG IN VALUES			
AREA			

TOTAL SURFACE AREA: _____

a. What do you notice about the different faces of the rectangular prism?

2. Decompose the net into shapes and complete the table to determine the total surface area of the triangular prism. Label each face of the net with the area to visualize it.

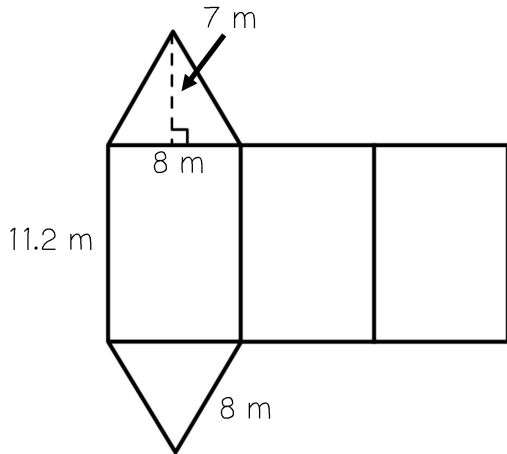


	SHAPE 1	SHAPE 2	SHAPE 3	SHAPE 4
FORMULA				
PLUG IN VALUES				
AREA				

TOTAL SURFACE AREA: _____

Use your understanding of surface area to answer the questions below.

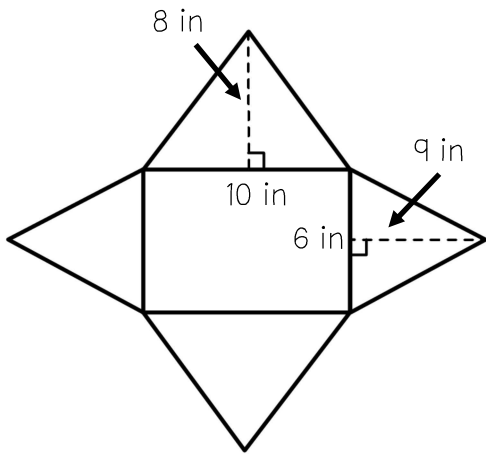
3. Decompose the net into shapes and complete the table to determine the total surface area of the triangular prism. Label each face of the net with the area to visualize it.



	SHAPE 1	SHAPE 2
FORMULA		
PLUG IN VALUES		
AREA		

TOTAL SURFACE AREA: _____

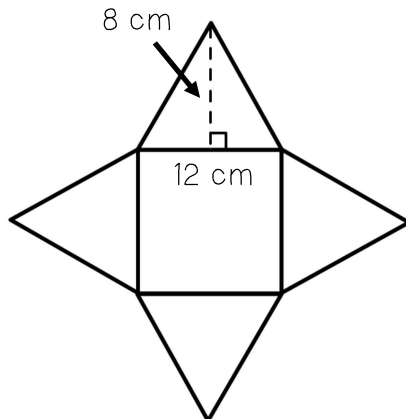
4. Decompose the net into shapes and complete the table to determine the total surface area of the rectangular pyramid. Label each face of the net with the area to visualize it.



	SHAPE 1	SHAPE 2	SHAPE 3
FORMULA			
PLUG IN VALUES			
AREA			

TOTAL SURFACE AREA: _____

5. Janelle found the surface area of the square pyramid below. Describe Janelle's error and correct her mistake.



SQUARE

$$A = bh$$

$$A = (12)(12)$$

$$A = 144 \text{ cm}^2$$

TRIANGLE

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

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

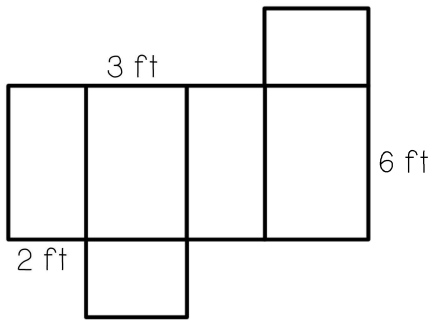
$$A = 48 \text{ cm}^2$$

SURFACE AREA: 240 cm²

SURFACE AREA OF NETS

In A-D, use the information from the net to mark each statement as true or false. If false, rewrite the statement correctly.

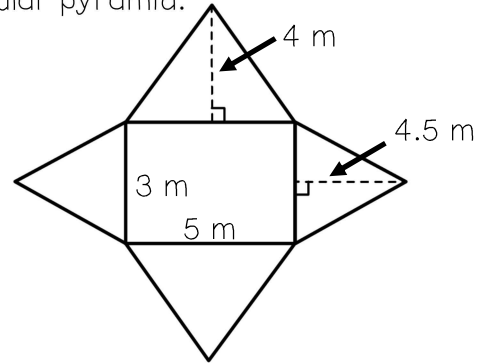
A Krista finds the surface area of a rectangular prism.



____ 1. Krista can use the formula $A = bh$ to determine the area of each rectangle.

____ 2. The surface area is 84 ft^2 .

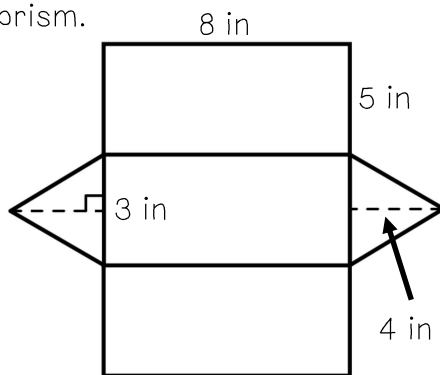
B Wade finds the surface area of the rectangular pyramid.



____ 3. The area of the rectangular base is 15 m^2 .

____ 4. Wade found the area of one triangle by using $\frac{1}{2}(5)(4)$ and then multiplied by 4.

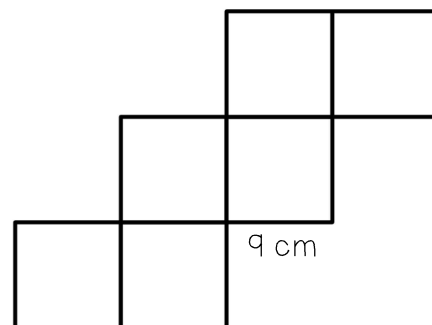
C Jacqueline finds the surface area of the triangular prism.



____ 5. The area of one of the bases is 40 in^2 .

____ 6. The surface area is 116 in^2 .

D Leonardo finds the surface area of the cube.



____ 7. Leonardo can find the area of one square and multiply it by 6 to find the surface area.

____ 8. The surface area is 486 cm^2 .