6.G.4

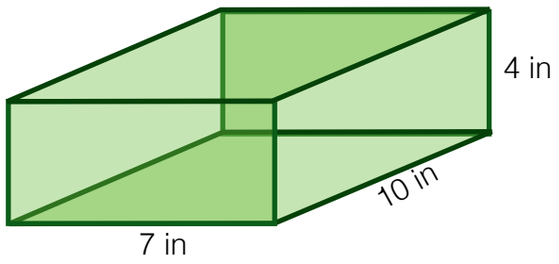
SURFACE AREAS NETS - RECTANGULAR PRISMS

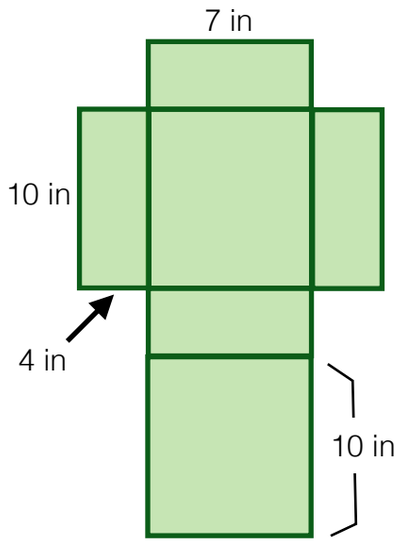
Name: _____

Date: _____

Directions: Find the total surface areas of the figures below.

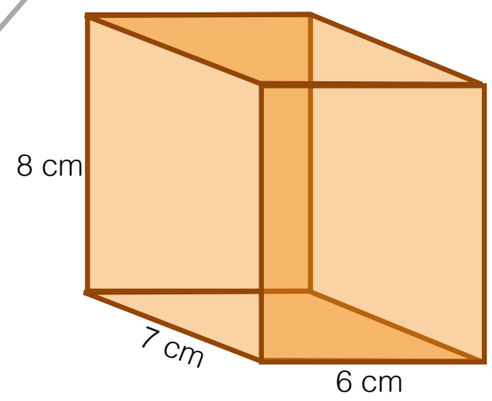
1.

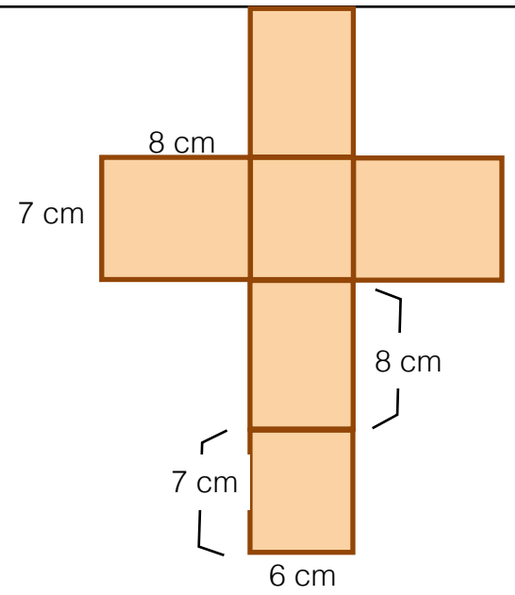




_____ in^2

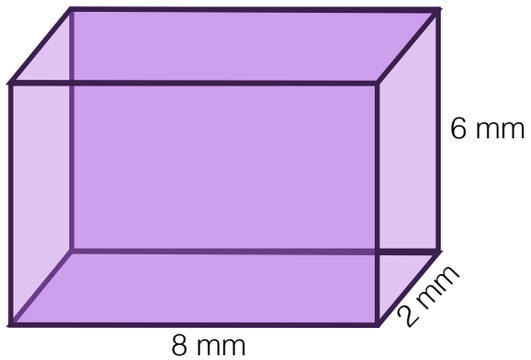
2.

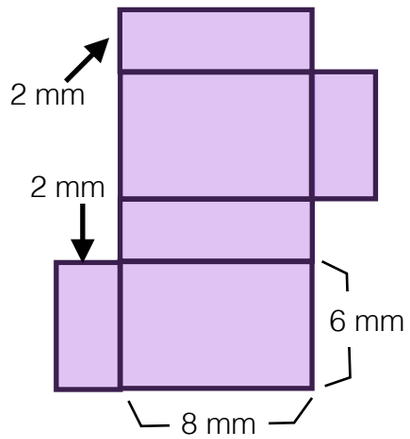




_____ cm^2

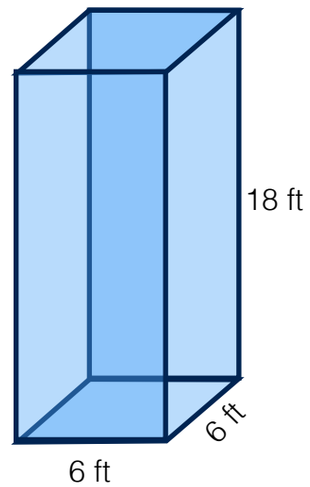
3.

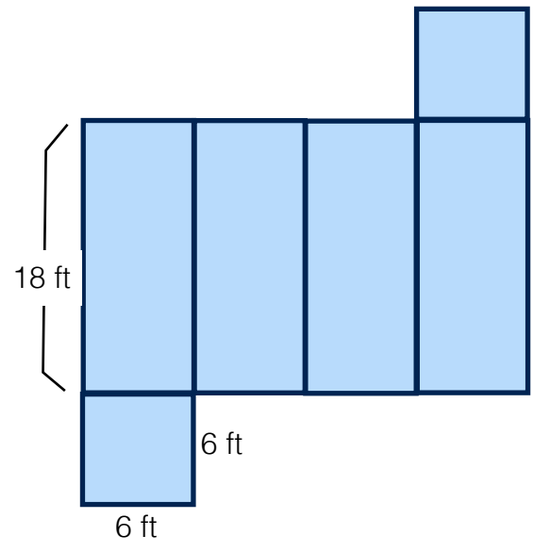




_____ mm^2

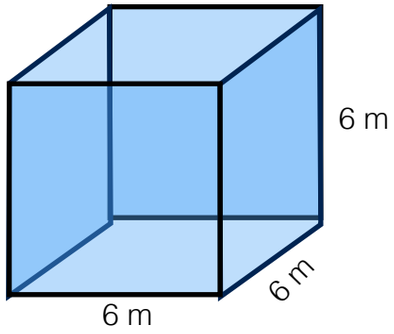
4.

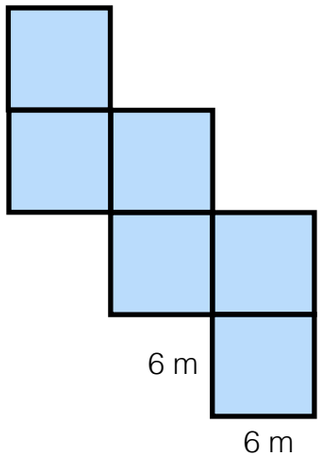




_____ ft^2

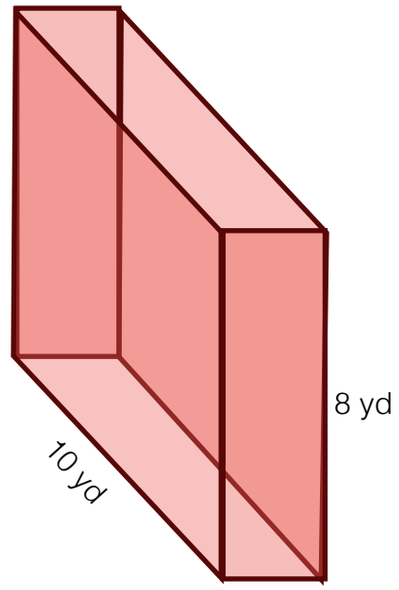
5.

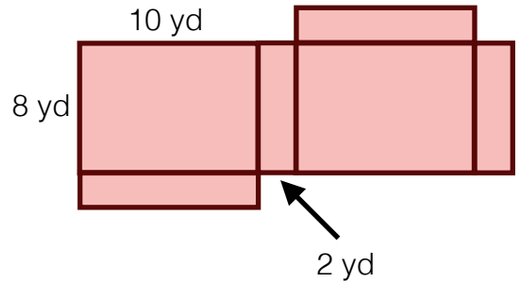




m^2

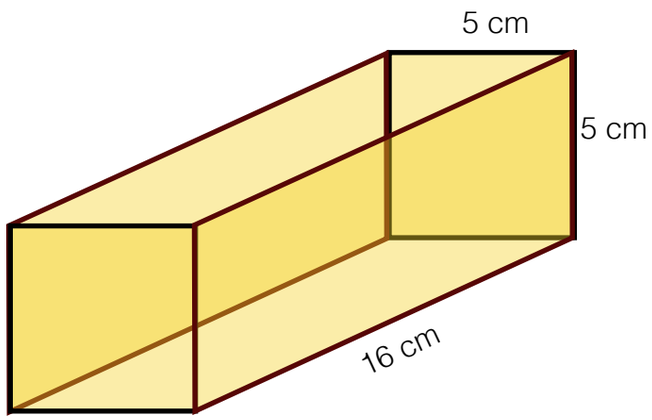
6.

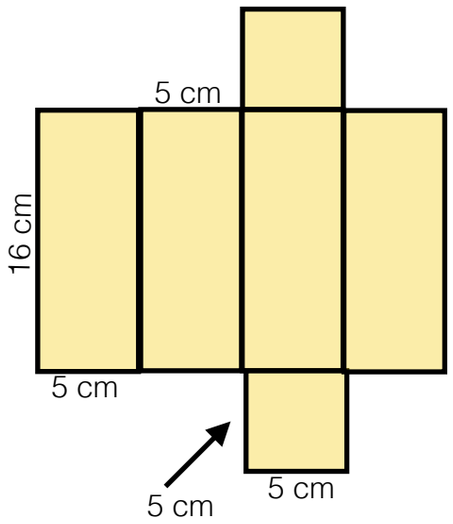




yd^2

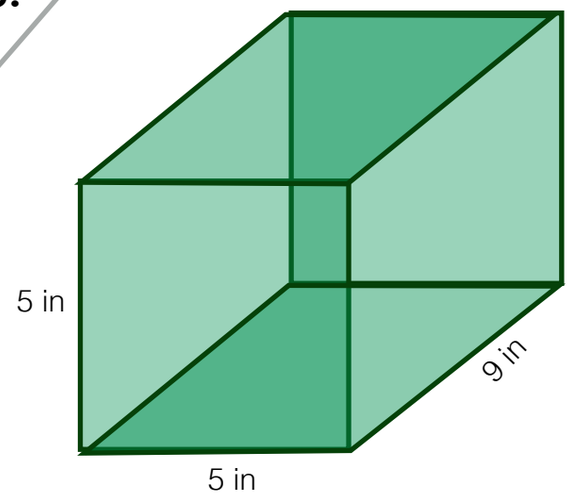
7.

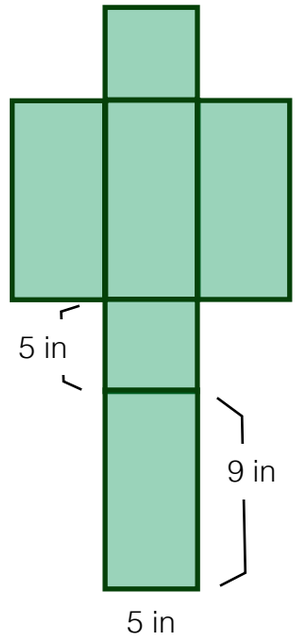




cm^2

8.





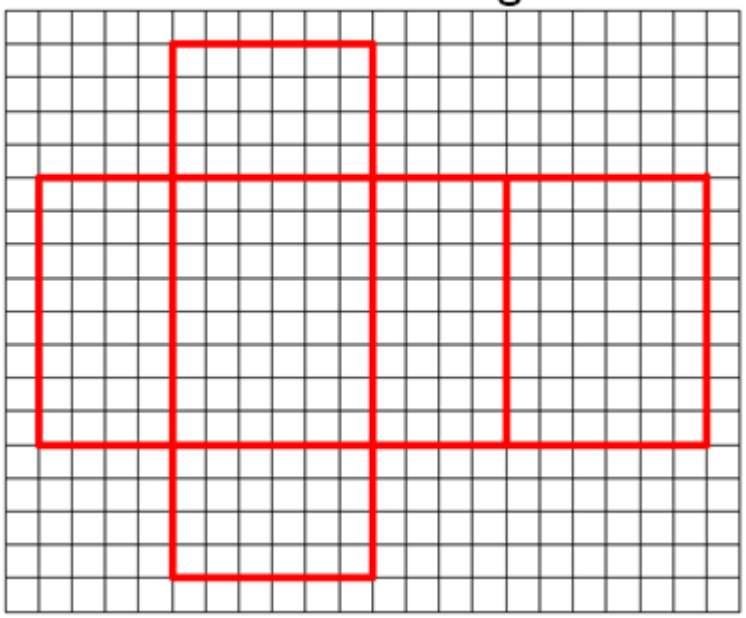
in^2

Surface Area

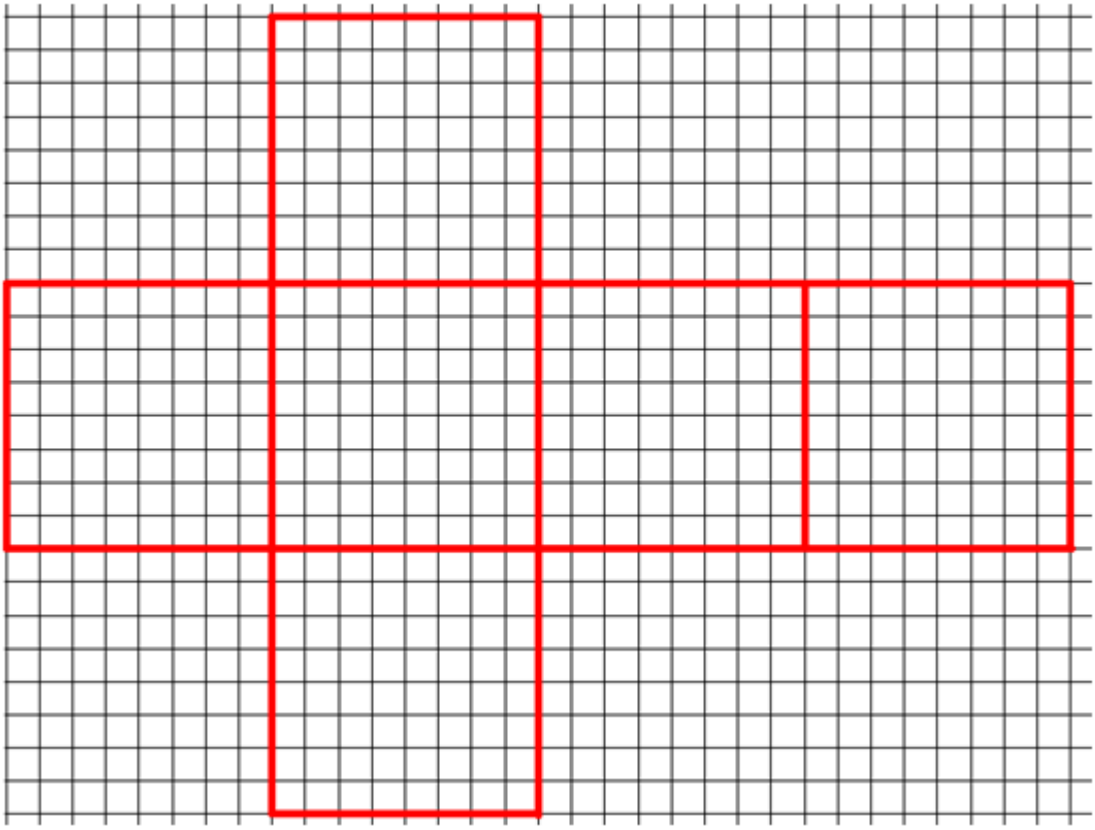
Directions:

1. Cut out each net.
2. Starting with the rectangular prism, record the area of each surface. Write the answers on each face.
3. Add the areas to find the *total* surface area of the prism.
4. Record the total surface area of the rectangular prism.
5. Repeat steps 2-4, but use the cube this time.
6. Answer the questions at the bottom of this page.
7. Cut along the dashed line, and be ready to turn in your paper.

Rectangular Prism



Cube



Name: _____

1. Total surface area of the rectangular prism: _____ square units.
2. Total surface area of the cube: _____ square units.
3. Which shape was easier to calculate? Why?
4. Did you find any shortcuts you could use to find the surface area of the rectangular prism?
5. How could you find the surface area of a pyramid?

Surface Area

Directions:

1. Cut out the net.

2. Record the area of each surface. Write the answers on each face.

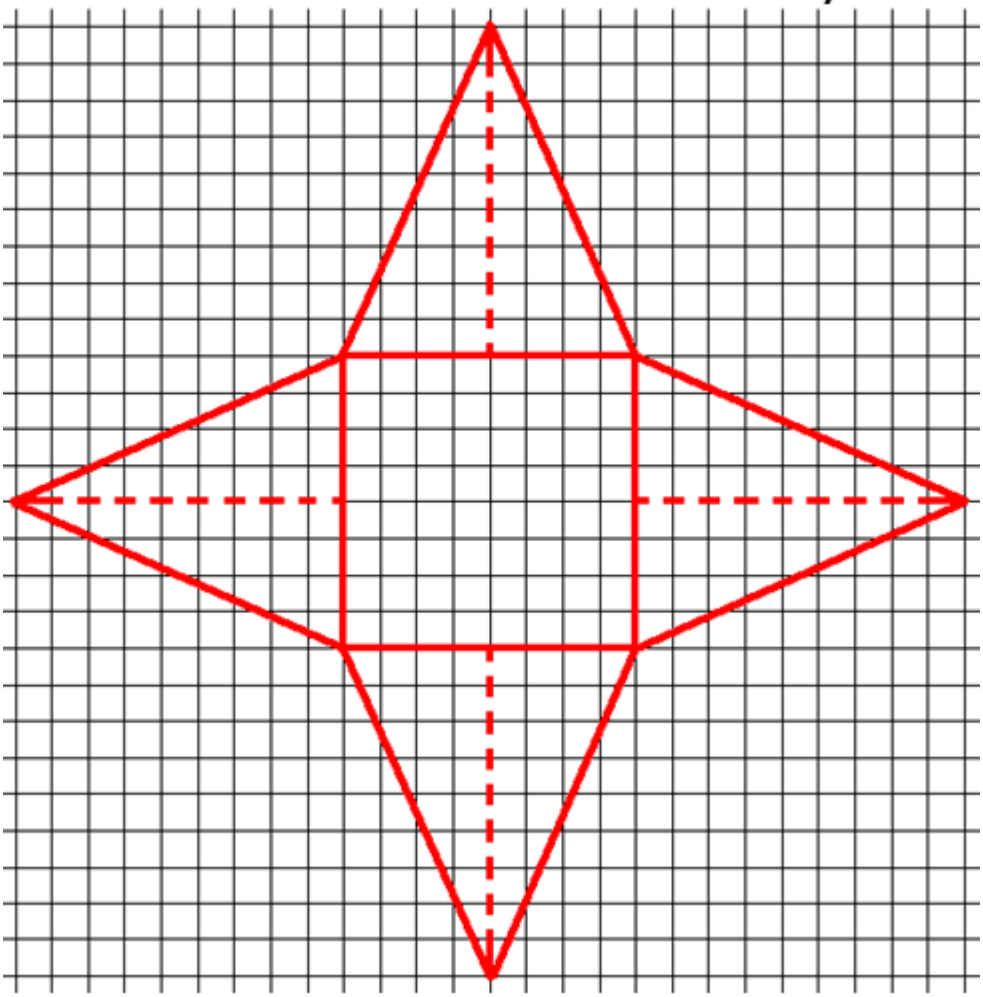
3. Add the areas to find the total surface area of the 3-dimensional figure.

4. Record the total surface area at the bottom of the page.

5. Answer the questions at the bottom of the page.

6. Cut along the dashed line, and be ready to turn in your paper.

Pyramid



Name: _____

1. This shape is called a _____ pyramid. Its TOTAL surface area is: _____ units^2

2. This 3-dimensional figure has _____ base(s) and _____ lateral faces.

3. Did you find any shortcuts you could use to find the surface area of the figure?

4. How could you find the surface area of a *hexagonal* pyramid?