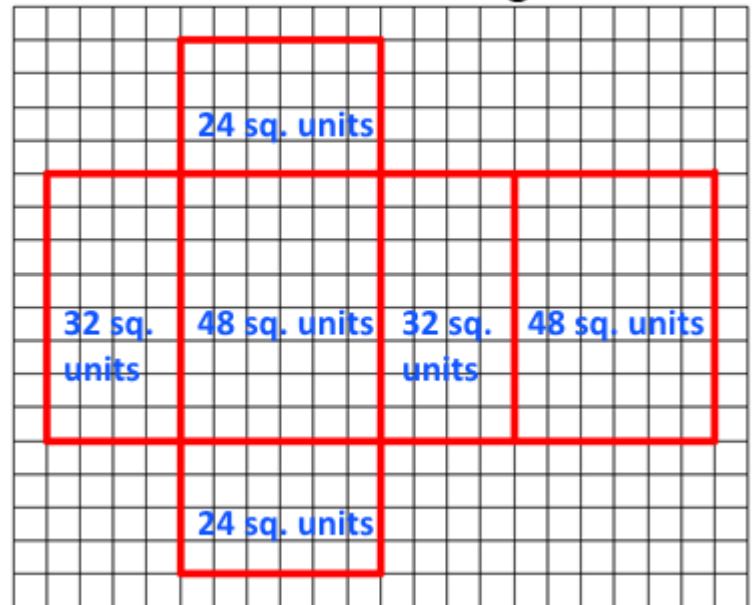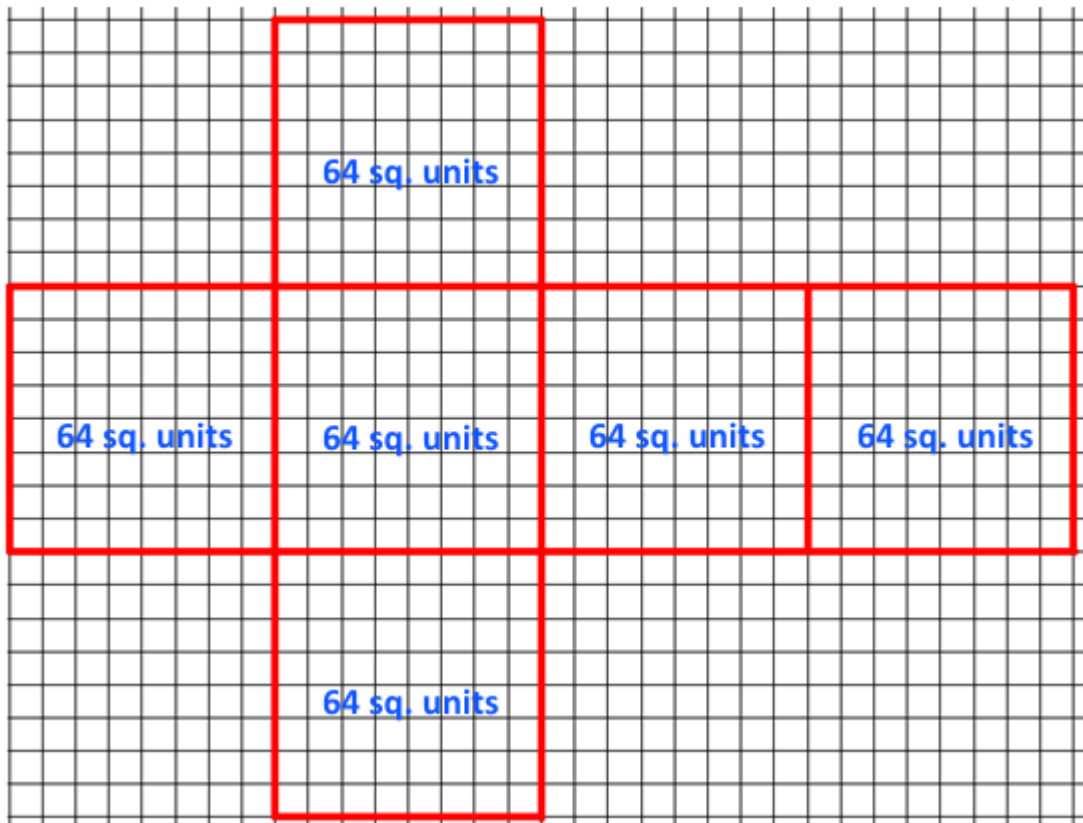# Surface Area

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

	24 sq. units		
32 sq. units	48 sq. units	32 sq. units	48 sq. units
	24 sq. units		

Cube

64 sq. units		
64 sq. units	64 sq. units	64 sq. units	64 sq. units
64 sq. units		

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1. Total surface area of the rectangular prism: **208** square units.

2. Total surface area of the cube: **384** square units.

3. Which shape was easier to calculate? Why?   The cube is easier, because all 6 faces have the same area.

4. Did you find any shortcuts you could use to find the surface area of the rectangular prism? Opposite faces are equal.

5. How could you find the surface area of a pyramid? Find the area of the base. Then, find the area of one face, and multiply it by 4. Then, add the area of the base to the area of the lateral faces.