

Assignment Record Sheet

Math Core B

Full Name: _____

Week: 10/7-10/11

Unit Name: Covering & Surrounding

Period: 2

Date Assigned	Focus Question??	Homework (IP=in packet)		Meets Expectation (15 points)	Approaching Expectations (5 points)	Below Expectation (0 points)
Monday Oct. 7	<i>How can you find the area of a polygon drawn on a coordinate graph? On grid paper?</i>	WU: None CW: Partner Quiz Review HW: None		WU: CW: HW:		
Tuesday Oct. 8	<i>How can you find the area of a polygon drawn on a coordinate graph? On grid paper?</i>	WU: None CW: Partner Quiz HW: None		WU: CW: HW:		
Wed. Oct. 9	<i>How can you find the area of a polygon drawn on a coordinate graph? On grid paper?</i>	WU: None CW: Math Review HW: None		WU: CW: HW:		
Thursday Oct. 10	<i>What is a strategy for finding the surface area of a rectangle prism? Explain why the strategy works.</i>	WU: Vocabulary (IP) CW: Prob. 4.1 A (IP) HW: ACE #6 p. 87		WU: CW: HW:		
Friday Oct. 11	<i>What is a strategy for finding the surface area of a rectangle prism? Explain why the strategy works.</i>	WU: Vocabulary (IP) CW: Prob. 4.1 B (IP) HW: None Turn in your packet		WU: CW: HW:		

Total Homework Score for the Week: _____/75

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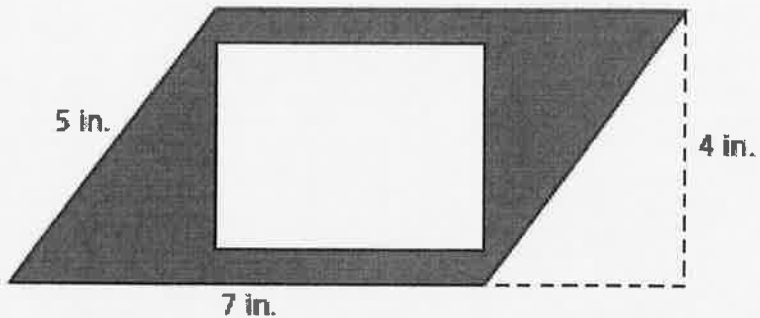
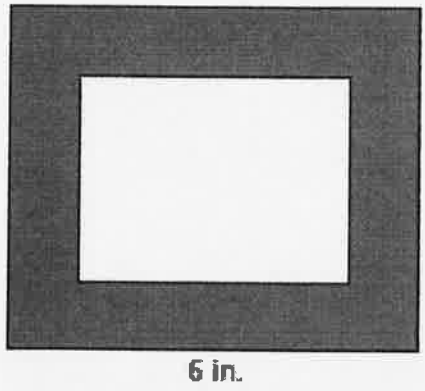
Daily Materials Score _____/25

C/W

Covering and Surrounding

Partner Quiz Review for use after Investigation 3

1. Finn used cardboard to make mats for his photos. The photos were 3 inches by 4 inches. The mats were different sizes and different shapes. The mats are shaded in the diagrams below.



- a. How much cardboard (in square inches) is showing in the rectangular mat? Show your work.

- b. How much cardboard (in square inches) is showing in the nonrectangular mat? Show your work.

- c. Suppose Finn decided to put a narrow frame around each mat. How many inches of frame material would he need to surround each of the mats? Show your work.

Rectangular Mat

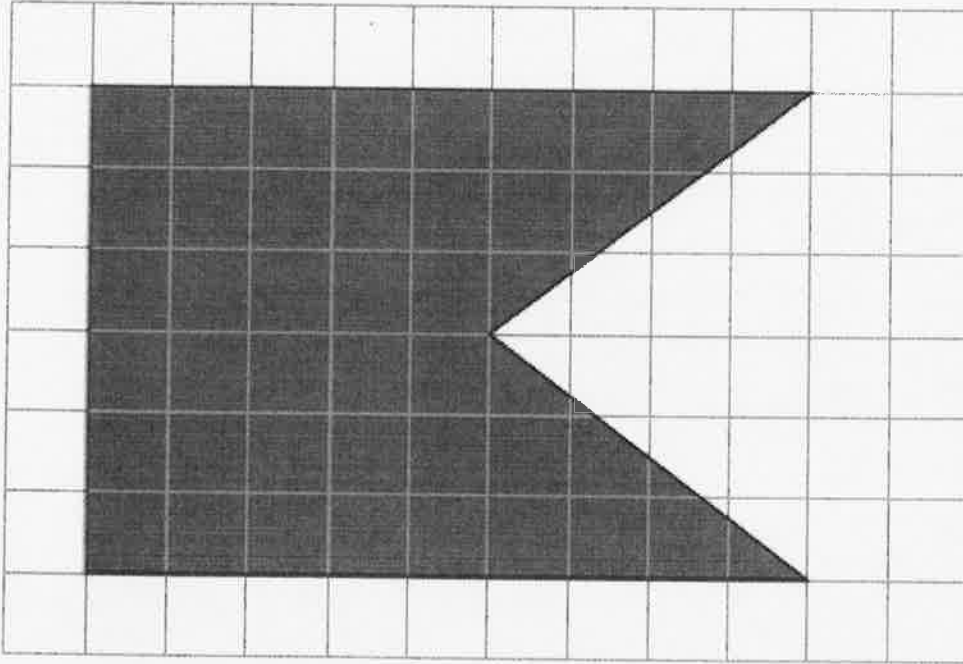
Nonrectangular Mat

c/w

Covering and Surrounding

Partner Quiz Review (continued)

2. The diagram below is drawn on centimeter grid paper.



- a. What is the perimeter of the figure? Explain your reasoning and any strategies that you use.
 - b. What is the area of the figure? Explain your reasoning and any strategies that you use.
3. State whether each statement is *true* or *false*. If false, explain why.
- a. If two triangles have the same area, then the perimeters are always the same.
 - b. Any two parallelograms with the same side lengths will have the same area.
 - c. You can always put two triangles together to make a rectangle or a parallelogram.
 - d. If two triangles have the same base, then the areas will be the same.

clw

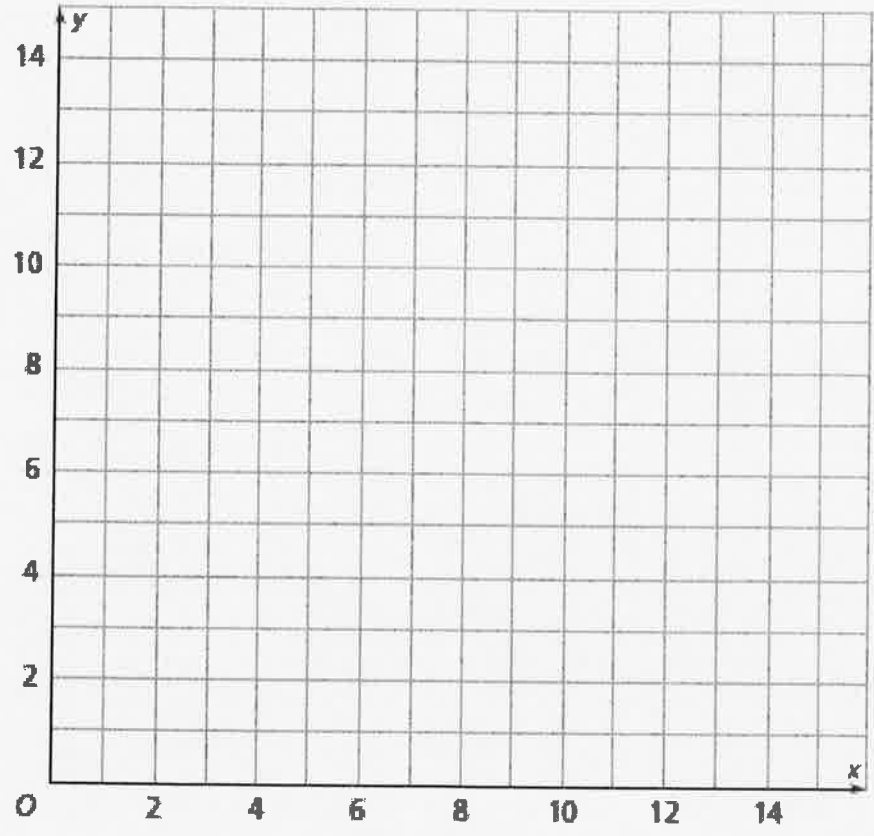
Covering and Surrounding

Partner Quiz Review (continued)

4. Jared wants to draw a nonrectangular parallelogram on a coordinate grid. He knows the following information.

- The base starts at (2, 3).
- The base is 5 units long.
- The height of the parallelogram is 4 units.

a. Sketch Jared's parallelogram.




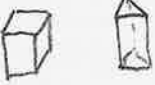
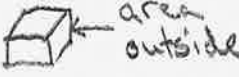



b. Name the coordinates of all the vertices of the parallelogram.

c. What is the area of the parallelogram?

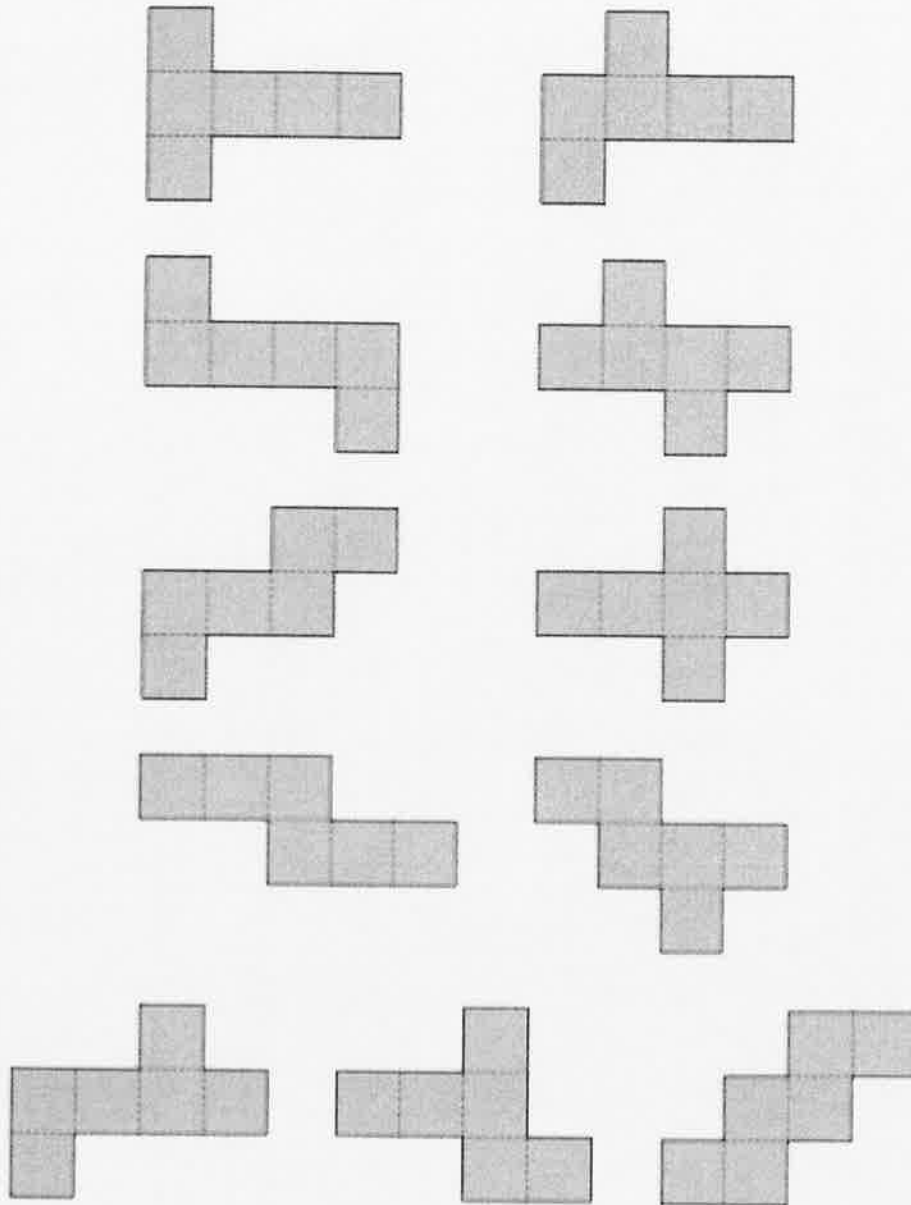
w/u

Covering and Surrounding (continued)

Term	Definition	Example
right angle		
scalene triangle		
vertex		
edge	A line segment formed where two faces of a 3 dimensional shape meet.	
face	A flat 2 dimensional surface of a 3 dimensional shape.	
net	A 2 dimensional pattern that can be folded into a 3 dimensional figure	
prism	A three dimensional shape with a top and bottom that are congruent polygons	
pyramid		
surface area	The area required to cover a 3-dimensional shape.	
volume	The amount of space occupied by a 3-dimensional shape.	

Labsheet 4.1A

Nets for a Unit Cube



clw

Labsheet 4.1B

Box Nets

