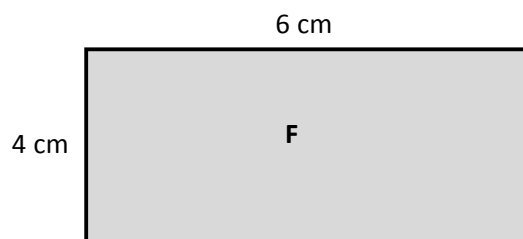
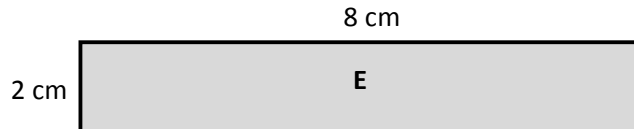
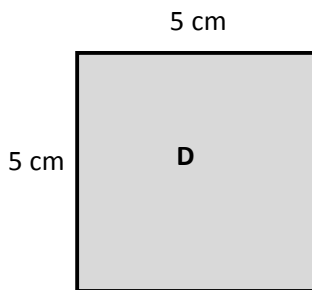
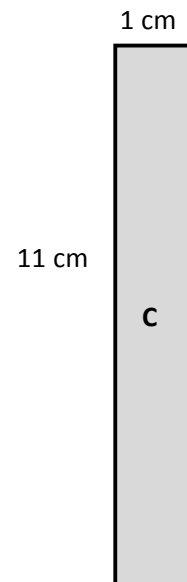
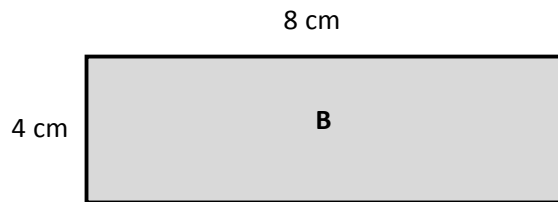
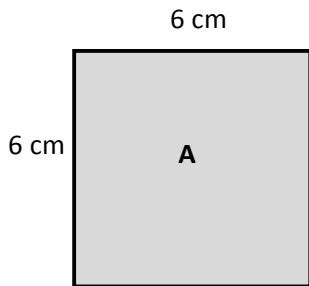


Name _____

Date _____

1. Record the perimeters and areas of the rectangles in the chart on the next page.



Rectangle	Width and Length	Perimeter	Area
A	_____ cm by _____ cm		
B	_____ cm by _____ cm		
C	_____ cm by _____ cm		
D	_____ cm by _____ cm		
E	_____ cm by _____ cm		
F	_____ cm by _____ cm		

- Find the area and perimeter of each rectangle.
- What do you notice about the perimeters of Rectangles A, B, and C?
- What do you notice about the perimeters of Rectangles D, E, and F?
- Which two rectangles are squares? Which square has the greatest perimeter?

Name _____

Date _____

Evaluation Rubric

4	3	2	1	Subtotal
Perimeter calculations for all shapes are correct, and both evaluations of a classmate's project have been completed.	Perimeter calculations include 1 to 2 errors, and both evaluations of a classmate's project have been completed.	Perimeter calculations include 3 to 4 errors, and at least 1 evaluation of a classmate's project has been completed.	Perimeter calculations include 5 or more errors, and at least 1 evaluation of a classmate's project has been completed.	_____/4

Name _____

Date _____

Evaluation Rubric

4	3	2	1	Subtotal
Perimeter calculations for all shapes are correct, and both evaluations of a classmate's project have been completed.	Perimeter calculations include 1 to 2 errors, and both evaluations of a classmate's project have been completed.	Perimeter calculations include 3 to 4 errors, and at least 1 evaluation of a classmate's project has been completed.	Perimeter calculations include 5 or more errors, and at least 1 evaluation of a classmate's project has been completed.	_____/4

Name Sample Date _____Part A: I reviewed Student A's robot.

Use the chart below to evaluate your friend's robot. Measure the lengths and widths of each rectangle. Then calculate the perimeter. Record that information in the table below. If your measurements differ from those listed on the project, put a star by the letter of the rectangle.

Rectangle	Width and Length	Student's Perimeter	Required Perimeter
A	<u>2</u> cm by <u>5</u> cm	$2\text{cm} + 2\text{cm} + 5\text{cm} + 5\text{cm} = 14\text{cm}$	14 cm
B	<u>2</u> cm by <u>5</u> cm		14 cm
C	<u>2</u> cm by <u>7</u> cm		18 cm
D	<u>2</u> cm by <u>7</u> cm		18 cm
E	<u>6</u> cm by <u>8</u> cm		28 cm
F	<u>4</u> cm by <u>4</u> cm		16 cm
G	<u>2</u> cm by <u>2</u> cm		8 cm
H	_____ cm by _____ cm		
I	_____ cm by _____ cm		



Lesson 27:

Day 4: Use rectangles to draw a robot with specified perimeter measurements and reason about the different areas that may be produced.

Date:

12/19/13

engage^{ny}

7.E.7

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Lesson 27:

Use rectangles to draw a robot with specified perimeter measurements, and reason about the different areas that may be produced.

Date:

1/29/14

engage^{ny}

7.E.60

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