Name _____ Period _____ Date _____

1. Neela is making rectangular place mats that are 12 inches wide and 15 inches long. What is the least amount of ribbon that she will need to create a ribbon border around a place mat?

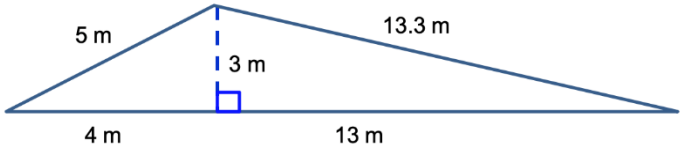
A 54 inches
B 54 square inches
C 180 inches
D 180 square inches

2. The area of a rectangle is 56 square inches. Identify the two measurements from those shown that could be the length and width of this rectangle.

Length ☐ by Width ☐

4 inches	6 inches	7 inches	8 inches	20 inches	50 inches

3. This triangle represents a section of a garden. (Figure is not drawn to scale.)



What is the area and perimeter of the garden?

4. **Four students in science class were given a plastic circle and asked to measure the circumference and diameter. Their results were recorded in the table.**

Student Name	Circumference (Inches)	Diameter (Inches)
Ken	43.2	12
Sophia	36.6	11.7
Craig	46.2	13.2
Danielle	29.9	10

Which student can calculate the best estimated value for pi (π) from their measurements?

5. The circumference of a circle is 50.24 inches and the diameter is 16 inches. Which expression represents an approximation for pi?

$\frac{50.24 \text{ inches}}{16 \text{ inches}}$

$\frac{16 \text{ inches}}{50.24 \text{ inches}}$

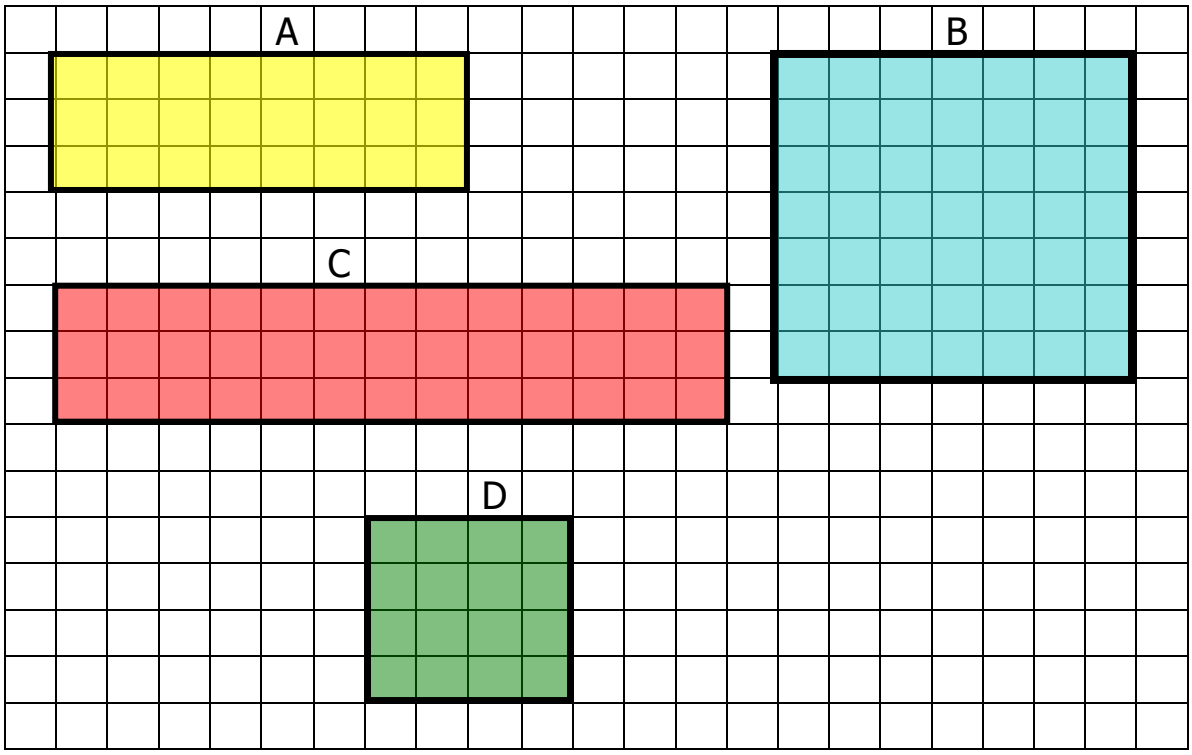
$2 \times (50.24 \text{ inches}) \times (16 \text{ inches})$

$(50.24 \text{ inches})^2 \times (16 \text{ inches})$

Name _____ Period _____ Date _____

Area or Perimeter?

Carefully examine each of the four rectangles shown below.



☐ = 1 square unit

6. Each rectangle represents the backyard of a house. Which house has the most land? Show or explain how you found your answer.

7. Which house would need to buy the most fencing material to completely enclose the yard? Show or explain how you found your answer.