

UNIT: Laboratory Equipment

Perimeter & Area Modeling

Name _____

Period _____

Date ____ / ____ / ____

Equipment: 1cm x 1cm graph paper
-OR-
24 flat (1cm by 1 cm) squares

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Perimeter and area are sometimes confused with each other. To help remember the difference, you will measure both for several objects.

Activity:

1. What is the area of one square (or graph square)? _____
2. What is the distance around 1 square cm? _____

How could you measure the distance? _____

NOTE: This “distance around” is called *perimeter*.

3. Using all 24 squares for each shape, create several different connected shapes and measure the *perimeter* and *area* of each.
4. Record your results in a data table.

Data Table and Findings:

Challenge Question: What is the minimum and maximum perimeter for 24 sq. cm?

minimum perimeter: _____

maximum perimeter: _____