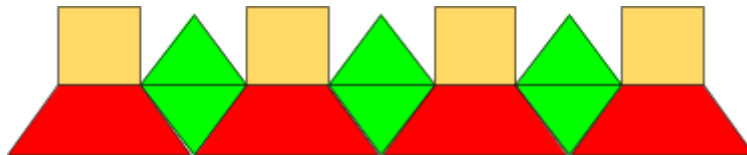


Name _____ Date _____

Barney and Fred Build a Fence, Part 2

Barney and Fred change their minds about their fence design.
Now they want to build a fence with this design.



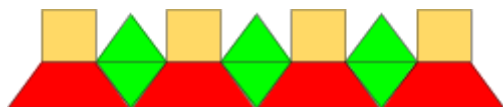
1. Sketch the core pattern and describe it with words.

Core Pattern	Pattern Description

2. Fred wonders how many blocks they will need to build the fence.
Barney makes a table to organize the numbers. Complete the table below based on Barney's and Fred's fence design.

Number of Gates	Number of Trapezoids	Number of Triangles	Number of Squares	Total number of blocks
1				
2				
3				
4				
5				
6				
7				

3. If the base of a trapezoid is 2 ft., how long is Barney and Fred's fence in this drawing? Show your work below.



4. Barney and Fred need a fence that is 40 yards long. How many trapezoids, triangles, and squares will they need to build this fence?
- Work with your partner. Use pattern blocks to recreate Barney and Fred's fence design. You may use a table to help organize your information in order to identify patterns.