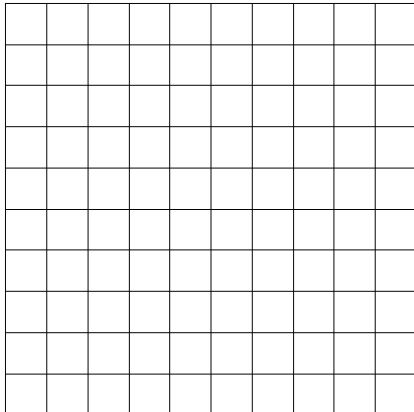


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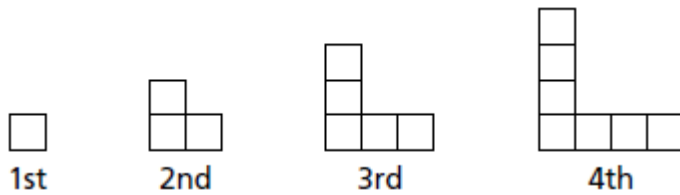
TWMM Review Day 3

1. A plumber charges a fixed fee of \$45 for coming to the job, plus \$30 for each hour he works.
 - a. Define variables and write an equation in slope intercept form to describe the relationship. Explain the real-world meaning of the values of m and b in the equation.
 - b. Graph your equation. Use your graph to find the number of hours the plumber works for \$225.



- c. If your budget for a home project is at most \$400 write and solve an inequality to determine how many hours you could hire the plumber to work.

2. Square tiles were used to make the pattern below.



- How many tiles will be in the 5th figure? In the 6th figure?
- Write an equation for the number of tiles t needed to make the n th figure.
- Identify and describe the figure in this pattern that can be made with exactly 25 tiles.
- Make a graph of the data.

