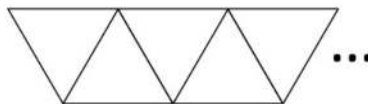


### 3 Reads Protocol

Sample Problem: A classroom has triangular tables. They can be arranged like this:



How many students can sit around 1 table? 2 tables? X tables?

Step 1: Reword the problem

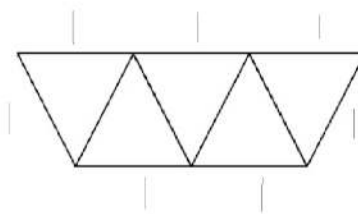
- Take out all questions from the word problem
- Example- Students will be working with: "A classroom has triangular tables."

Step 2: First read.

- Read the problem (without questions)
- Have students write or type what the gist of the problem is.
  - No actual calculations should occur here
- Example-Students should write something like "This problem is about triangular tables in a classroom."

Step 3: Second read

- Read the problem (without questions)
- Have students write or type any important numbers or values the situation gives
- Example-Students should write something like "There is one student on each side of the triangular table."
- Example -Students can also draw diagrams to show important numbers like this:



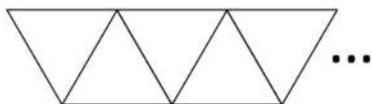
5 tables seat 7 students

Step 4: Third read

- Read the problem (without questions)
- Have students write any possible math related questions about the situation.
- Example- Students can ask, "How many students can sit at 10 tables? Are triangular tables cheaper than rectangular tables? Etc."

Step 5: Solve the problem

- Give students the original problem
- Example: Give students: A classroom has triangular tables. They can be arranged like this:



How many students can sit around 1 table? 2 tables? X tables?

## Resources

About Desmos

<https://www.desmos.com/about>

To see Desmos Activity of the Triangular Tables Example

<https://teacher.desmos.com/activitybuilder/custom/629f914bf71a9843a0f547bf>