

Teamwork



Get Started



or



Get paper and a pencil.

Put **1** **2** **3** **4** in a bag.

Repeat for Each Round

Choose **a**, **b**, or **c**.

Pick a tile. Pick two tiles if your group has only two students.

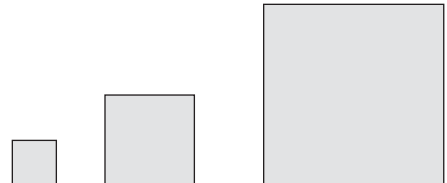
Do the jobs listed below in order.

To find your job, find the number that matches the tile you chose.

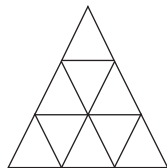
- 1** Read the problem. Tell your team what you know and what you are asked to find.
- 2** Explain how to change the problem into problems that are simpler to solve.
- 3** Work with your team to solve the problem.
- 4** Check your team's answer. Make sure it is correct. Explain how you know.

- a. Find the sum of the first 50 natural numbers. The first natural number is 1.
Hint: $1 + 2 + 3 + \dots + 50$

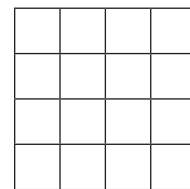
- b. Consider all different sizes of squares, such as:



- c. Consider all different sizes of triangles. How many triangles are in this drawing?



How many of these squares are in this drawing?



If you have more time



Create another problem that can be solved by solving a simpler problem. Repeat steps 1 – 4 for your problem.