

Teamwork



Get Started



Get paper and a pencil.
Put 1 2 3 4 in a bag.

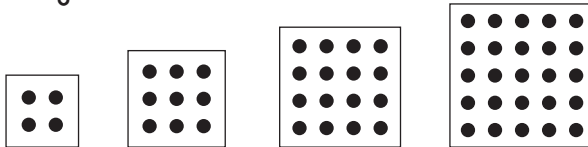
Repeat for Each Round

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. The Math Club is making square peg boards for children in the local hospital. The first four square boards are shown below. How many pegs will be in the eighth board?



- b. Nikki and Greg are walking 2 miles each per day for a walkathon. When will they walk a total of 300 miles if they start on June 1st?

- c. The Rangels drove 3,200 miles during their vacation. The Olsons flew twice as many miles for their vacation. The Serdys drove $\frac{1}{8}$ as far as the Olsons flew. The Erps drove $\frac{3}{4}$ as far as the Rangels for their vacation. How far did each of these families travel: the Olsons? the Serdys? the Erps? How much farther did the Erps travel than the Serdys?



If you have more time



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