

Jo's Favorite Tile Pattern

- Facilitator:** Make sure your group reads all the way through this card together before you begin. “Who wants to read? Does everyone get what to do?”
Keep your group together.
Make sure everyone’s ideas are heard. “Did anyone see it a different way?
Are we ready to move on?”
- Recorder/Reporter:** Get your group started in organizing a poster with all your results.
Your poster needs to show everyone’s ideas, be well-organized, and use color, arrows, and other math tools to communicate your mathematics, reasons, and connections. “How do we want to show that idea?”
- Resource Manager:** Get materials for your team.
You are the only one who can ask the teacher any team questions.
When your team is done, call the teacher over to debrief the mathematics (based on your poster).
- Team Captain:** Remind your team to find reasons for each mathematical statement and search for connections.
Be ready to join the teacher for a huddle.

Study this tile pattern:

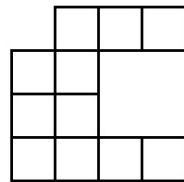


Fig. 2

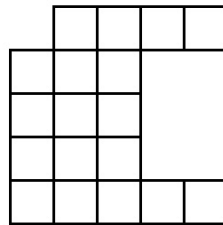


Fig. 3

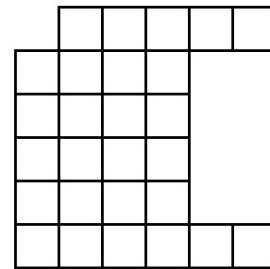


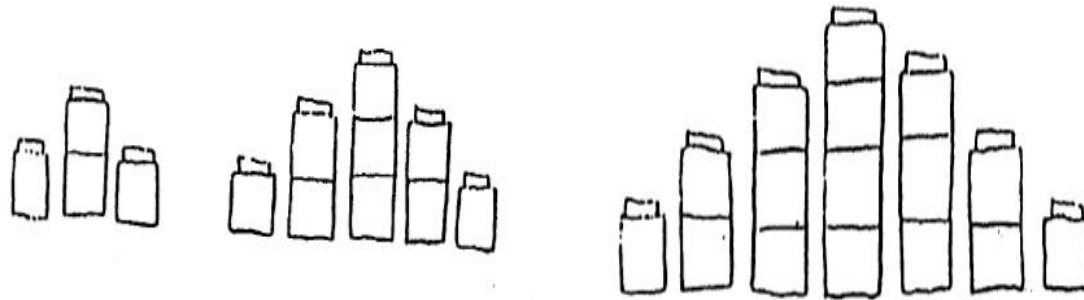
Fig. 4

1. What would figure 100 look like?
2. Imagine you could continue your pattern backwards. How many tiles would there be in Fig. -1? (That's Figure negative one, whatever that means)

Creating a poster:

Your poster should show, explain, justify and connect your ideas about this task!

How do you see the shapes growing?



Jo Boaler

