

A Cube Corral

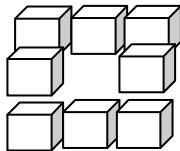


MATERIALS:

- Rainbow cubes
- Paper for showing your work

PROCEDURE:

1. Pretend that you are building a corral for horses. A corral for one horse looks like the following:



2. If you wanted to build a corral for 100 horses, how many cubes would you need?
3. Use some of the rainbow cubes and problem-solving strategies to find the answer. (Hint: There are not enough cubes to build a corral big enough for 100 horses.)
4. Work with a partner for at least 10 minutes.
5. Share some of your ideas with your group and then work with your partner using some of those ideas.
6. Be prepared to share your strategy with your group.

CHALLENGE:

Here is what a set of steps looks like. How many cubes will it take to build a 100-step staircase?

