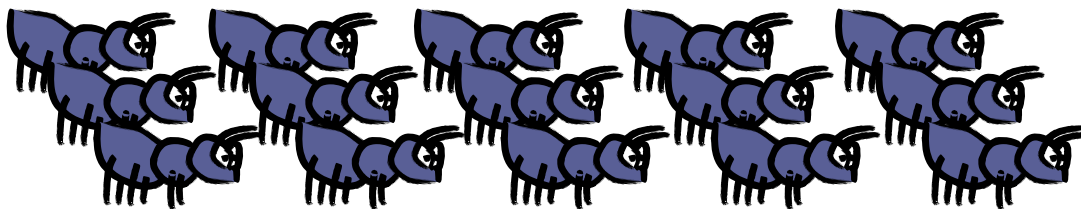


Ants, Ants, Ants

Inspired by *One Hundred Hungry Ants* by Elinor J. Pinczes.

When people, animals, or objects move in formation, they move together in a pattern. For example they might move in 3 rows of 5 ants as in the picture below:



Goal: Show all the ways that twenty ants can march in a formation.

You will need:

- A geoboard and rubber bands, graph paper or drawing paper

What to do:

- Think about different ways a group of 20 ants could move in formation. Each row and each column must have the same number of ants.
- Draw or represent the formations:
 - If using graph paper, think of each square as an ant. Color in the squares to show the columns of ants.
 - If using a geoboard, think of each peg as an ant. Put rubber bands around your formations.
 - If using paper, draw ants in rows and columns to represent the formations.
- Describe the number of columns and rows in each formation.
- How many different formations did you find?

To Think About:

- How many ways could a group of 36 ants march in formation? How about 41 ants?

