

Sticking Around

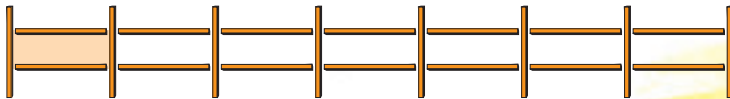
You need sticks

a classmate

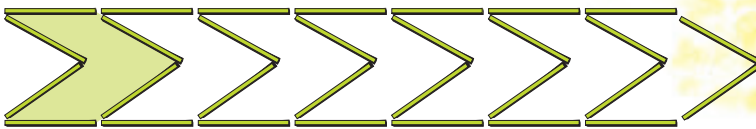
Activity One

1. With a classmate, find some quick ways to count the number of sticks in the patterns shown below. For each pattern, explain the rule you used.

- a. Seven sections of fence:



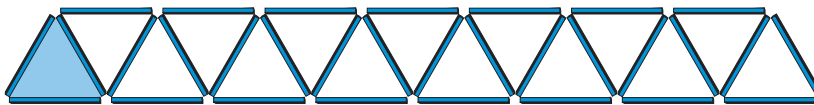
- b. Seven arrows:



- c. Seven houses:



- d. 15 triangles:



2. How many sticks would you need to make:

- a. 15 sections of fence? b. 15 arrows?
c. 20 houses? d. 20 triangles?

Activity Two

Make some stick patterns of your own. Work out a quick-counting method and then ask a classmate to work out their own quick-counting method. Compare your methods.