

Rolling Along

- You need** marbles, beans, or multilink cubes
 a tray with low sides or a shallow box
 a stopwatch a classmate

Activity One

Hēmi has a collection of marbles.

- 1.** Guess how many marbles Hēmi has without counting them.

1, 2, 3, 4, 5, 6, ...



- 2.** Hēmi starts counting the marbles one by one to work out exactly how many he has.

What are two other ways Hēmi could use to count the marbles?

Activity Two

Do this activity with a classmate.

- Each of you put one handful of marbles in a tray or shallow box.
- Take turns to show the tray of marbles to each other for 3 seconds and then hide the tray.
- Both of you guess how many marbles could be in the tray.
- Record each guess and how you both worked out your guesses.
- Discuss ways of working out how many marbles are in the tray without counting each one.

