

# Fractions in Room 7

You need ✓ coloured blocks

✓ a classmate

## Activity

Room 7 has just received a new box of coloured blocks.

$\frac{1}{5}$  are circles,  $\frac{2}{5}$  are squares, and  $\frac{2}{5}$  are hexagons.

$\frac{1}{4}$  are red,  $\frac{1}{2}$  are blue, and  $\frac{1}{4}$  are green.

There are circles, squares, and hexagons in 3 different colours!



1.
  - a. Draw the smallest set of blocks that could be in the box.
  - b. Using your coloured blocks, make up a set that is different from Room 7's.
  - c. Use fractions to describe the colours and shapes of the set you have made. Compare your set and fractions with a classmate's.

2.
  - a. Marama is new in Room 7. She tells the class where she has lived.



I've spent  $\frac{1}{4}$  of my life in Christchurch,  $\frac{1}{4}$  of my life in Dunedin, and 5 years in Auckland.

I know how old Marama is!

How old is Marama? Show how you worked this out from what Marama said.

- b. At lunchtime, Sio challenges Marama to work out his age.

I've spent  $\frac{1}{4}$  of my life in Sāmoa,  $\frac{1}{8}$  of my life in Hamilton, and 5 years here in Napier.

How old is Sio?

3. Make up a fraction challenge for a classmate to solve.

