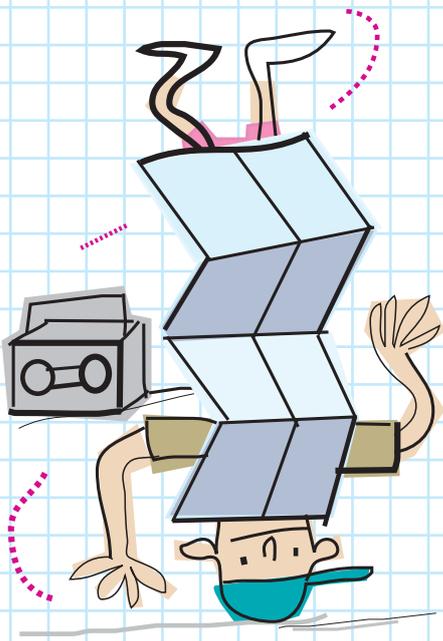
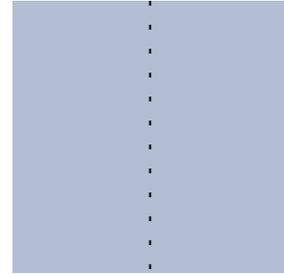


Fun Folding

You need square pieces of paper, at least 15 centimetres by 15 centimetres

Activity One

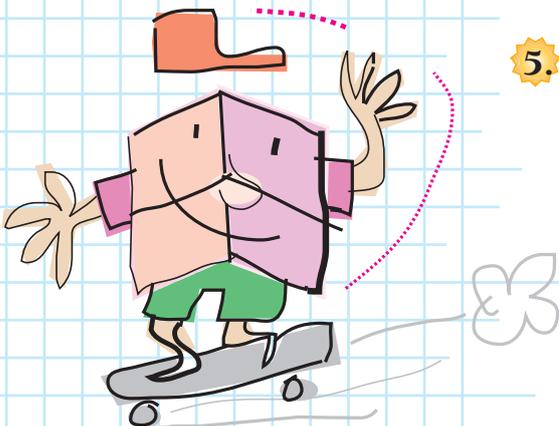
- 1.** Fold a square piece of paper in half and open it out again so that it looks like this:



- 2.**
- Draw what you think your piece of paper would look like if you folded it in half again the other way and then opened it out.
 - Fold your paper and then open it to check your drawing.
- 3.** Now your paper has got crease lines that divide it into quarters (or fourths).
- How many quarters make one half of a piece of paper?
 - How many quarters make one whole piece of paper?
 - How many quarters make two pieces of paper?

- 4.** Fold your paper back into quarters.
- How many parts do you think you will make if you fold your paper in half again?
 - Fold your paper in half again and then open it out to check.

- 5.** Now your paper has crease lines that divide it into eighths.
- How many eighths make a half?
 - How many eighths make three quarters?
 - How many eighths make one and a half pieces of paper?



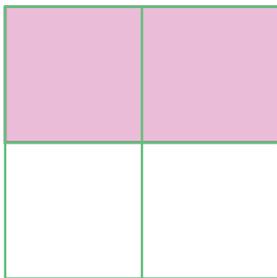
- 6.** Fold your paper back into eighths.
- How many parts do you think you will make if you fold your paper in half again?
 - Fold your paper in half again and then open it out to check.
- 7.** Now your paper has crease lines that divide it into sixteenths.
- How many sixteenths make a half?
 - How many sixteenths make a quarter?
 - How many sixteenths make an eighth?

"Look, that's $\frac{2}{4}$ or $\frac{1}{2}$."

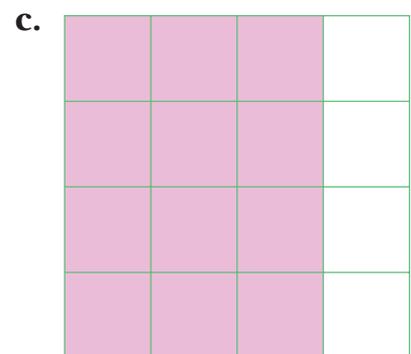
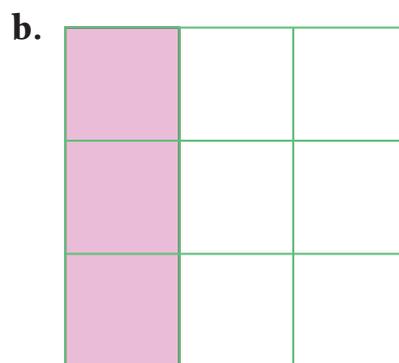
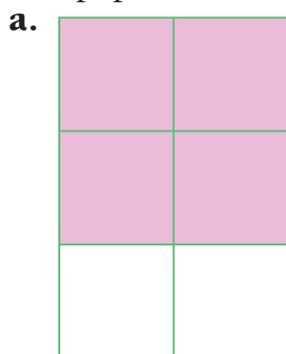


Activity Two

Sarah folds a piece of paper and colours it in to show fractions.



- 1.** Write two fractions for each coloured piece of paper below.



- 2.** Fold pieces of paper and colour them to show each fraction below.

- $\frac{1}{9}$
- $\frac{6}{9}$
- $\frac{4}{16}$
- $\frac{8}{16}$

