Fabulous Folding

You need ☑ 6 strips of different-coloured paper, 60 centimetres long by 4 centimetres wide

Activity

1. Fold one strip of paper so that it makes a triangle with equal sides, like the one shown here.

2. Fold another strip to make a square.

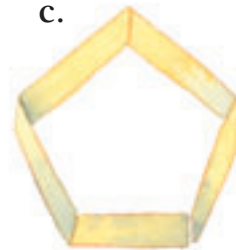**3.** With the other strips, fold these equal-sided shapes.
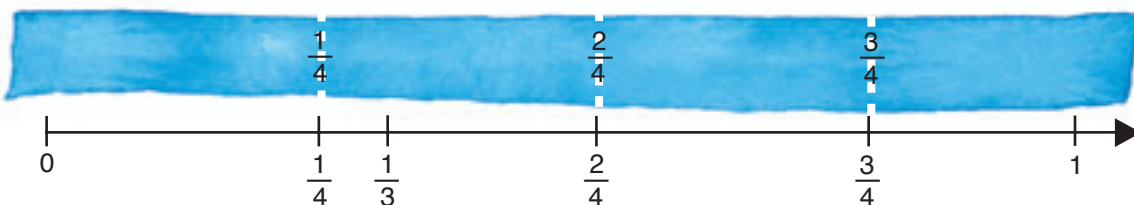
a.

b.

c.

4. Open up your paper strips and, starting from the left end of the strip, write the fractions that should go at each fold mark.

Here are fractions written on the strip that made a square when it was folded up.

$$\frac{1}{4} \qquad \frac{2}{4} \qquad \frac{3}{4}$$

5. Use your fraction strips to make a number line like the one below.

$$\frac{1}{4} \qquad \frac{2}{4} \qquad \frac{3}{4}$$

0    $\frac{1}{4}$ $\frac{1}{3}$ $\frac{2}{4}$ $\frac{3}{4}$ 1

6. Can you see where the fractions one-fifth, one-sixth, and one-eighth should go on your number line?

7. Why do fractions get smaller as the number on the bottom line of the fraction gets bigger?

Finding fractions of length