## Number Levels 3-4 <br> A Long Look at Decimals <br>  <br> I

You need $\triangle$ a metre ruler
Activity
Kylie folds a
1-metre-long strip
$\square$ metre-long strips of paper
of paper in half and creases it.


She opens it up and places it along a metre ruler.

1. How does Kylie know that $\frac{1}{2}$ is $\frac{50}{100}$ ?
(2.) a. Fold other 1-metre-long strips into different fractions:

2. Kylie also uses her fraction strips to make a number line like this:
i. $\frac{1}{4}$
ii. $\frac{3}{4}$
v. $\frac{3}{8}$
iii. $\frac{1}{5}$
iv. $\frac{4}{5}$
vii. $\frac{2}{10}$
viii. $\frac{5}{10}$
fifths $\left(\frac{1}{5}\right)$

eighths $\left(\frac{1}{8}\right)$
b. Find out the decimal and percentage equivalents of these fractions by putting each folded strip along a metre ruler:


She also includes the fractions $\frac{1}{3}, \frac{1}{4}, \frac{1}{5}$, and $\frac{1}{8}$.
Draw a number line like Kylie's, including the extra fractions.
Which of these fractions is largest: $\frac{1}{2}, \frac{2}{3}, \frac{3}{4}, \frac{4}{5}$, or $\frac{5}{6}$ ?

