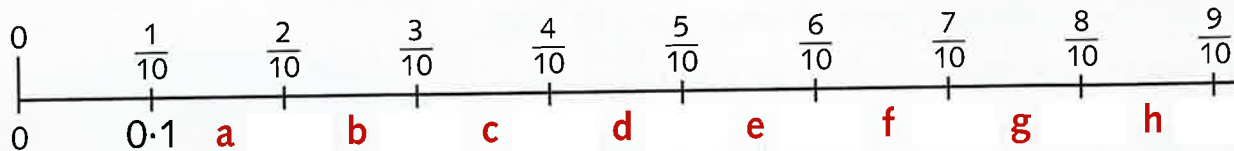# Decimal tenths and hundredths
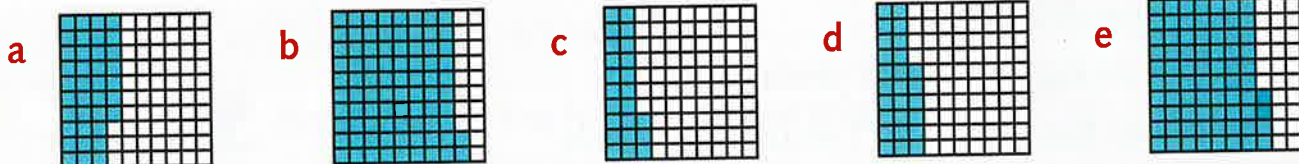
- Recognise and write decimal equivalents of any number of tenths and hundredths
- Recognise and write decimal equivalents to $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$

Challenge 1

1 Write the decimal tenth equivalent to these fractions.

0	$\frac{1}{10}$	$\frac{2}{10}$	$\frac{3}{10}$	$\frac{4}{10}$	$\frac{5}{10}$	$\frac{6}{10}$	$\frac{7}{10}$	$\frac{8}{10}$	$\frac{9}{10}$
0	0·1 a	b	c	d	e	f	g	h	

2 Count the hundredths that are shaded blue and record them as a fraction and a decimal fraction.

a   b   c   d   e

Challenge 2

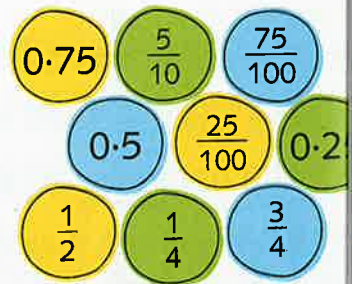**1** Write the decimal fraction that is equivalent to these fractions.

a $\frac{7}{10}$ b $\frac{5}{10}$ c $\frac{3}{10}$ d $\frac{9}{10}$

e $\frac{71}{100}$ f $\frac{12}{100}$ g $\frac{63}{100}$ h $\frac{58}{100}$

2 Write the fraction that is equivalent to these decimal fractions.

a 0·4   b 0·1   c 0·8   d 0·2

e 0·3   f 0·28   g 0·17   h 0·55

3 Draw a 12 cm number line. Draw intervals at 0 cm, 3 cm, 6 cm, 9 cm and 12 cm. Mark the 0 cm interval '0' and the 12 cm interval '1'. Use the number line to record these fractions and decimals in the correct places.

0·75 $\frac{5}{10}$ $\frac{75}{100}$ 0·5 $\frac{25}{100}$ 0·2 $\frac{1}{2}$ $\frac{1}{4}$ $\frac{3}{4}$

Challenge 3

Write the decimal values for the arrows marked on the number line.

3				3·5				
a	b		c	d	e	f g	h	