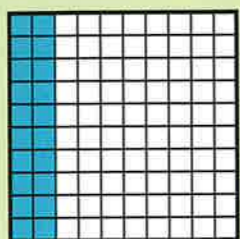# Percentages and hundredths

Recognise the per cent symbol (%) and understand that per cent relates to 'number of parts per 100'

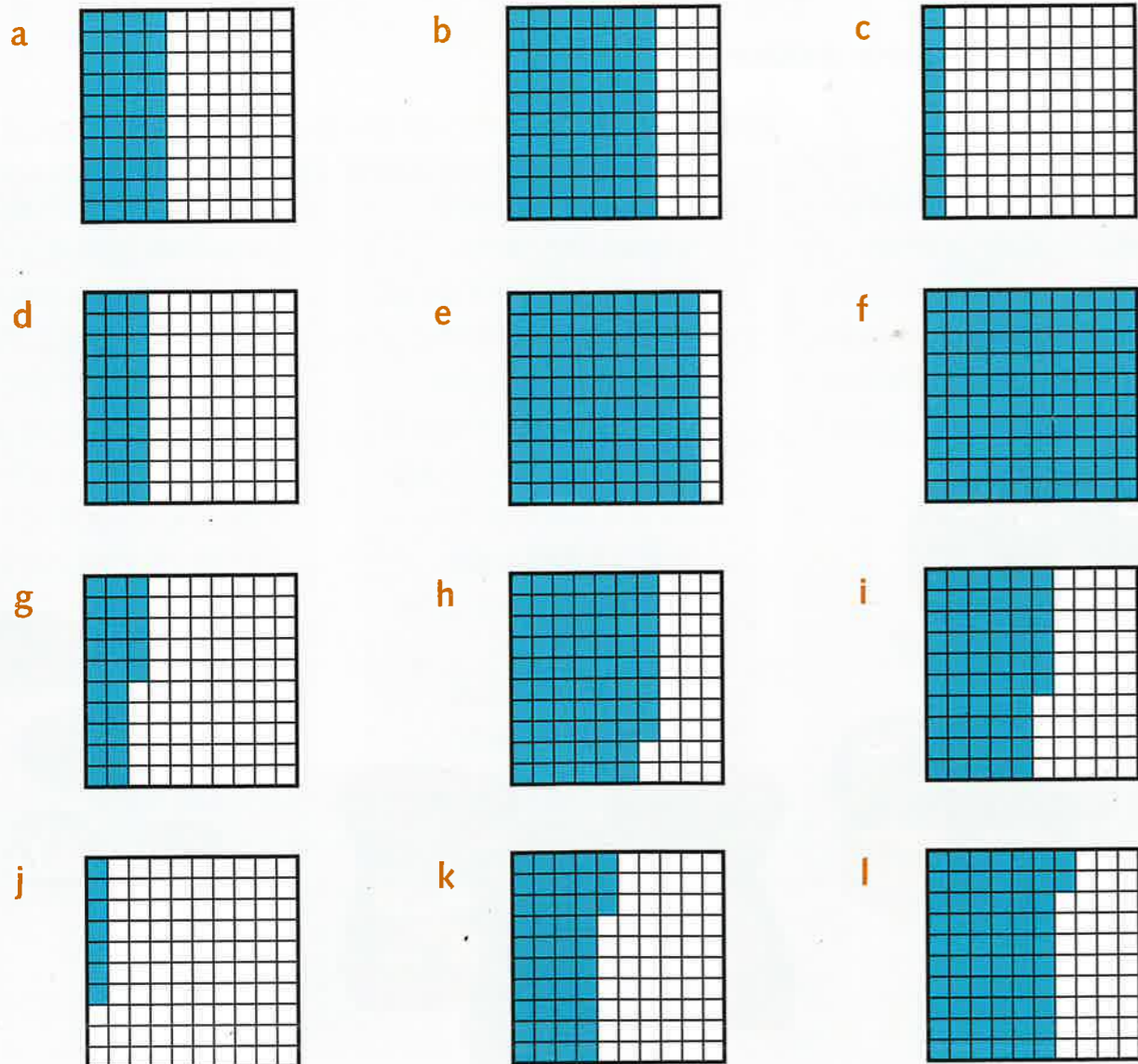Write percentages as a fraction with a denominator of 100

Look at each grid. What fraction and what per cent are shaded blue?

Example

$\frac{20}{100}$ or 20% is shaded.

a

b

c

d

e

f

g

h

i

j

k

l

Challenge 2

Play this game with a partner. Use Resource 41: One hundred per cent.

- On your own grid choose any five squares to write the letter B in. These are your bonus squares; if you land on them exactly you get an extra turn.

- Take turns to roll the dice. For each number you roll, shade in that many of your squares along the top row and then continue through the grid.

- Say what per cent of your grid is shaded after each turn.

- Your partner says what fraction of your grid is shaded.

- Keep going until one of you reaches 100%. You must be able to colour 100% exactly with your last throw!

You will need:
- Resource 41: One hundred per cent
- coloured pencils
- 0–9 dice

Challenge 3

1   Explain the connection between hundredths and percentages.

2   Write the equivalent per cent for these fractions.

a $\frac{34}{100}$	b $\frac{59}{100}$	c $\frac{72}{100}$	d $\frac{99}{100}$	e $\frac{1}{100}$
f $\frac{38}{100}$	g $\frac{73}{100}$	h $\frac{1}{2}$	i $\frac{27}{100}$	j $\frac{84}{100}$

3   Write the equivalent fraction for these percentages.

a 12%	b 89%	c 36%	d 3%	e 97%
f 47%	g 100%	h 86%	i 34%	j 3%