

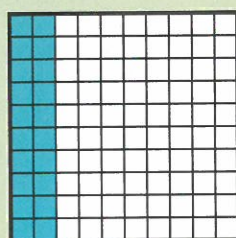
Percentages and hundredths

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



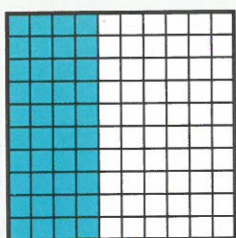
Look at each grid. What fraction and what per cent are shaded blue?

Example

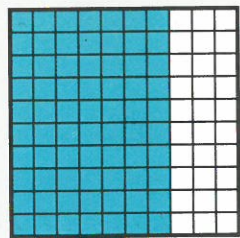


$\frac{20}{100}$ or 20% is shaded.

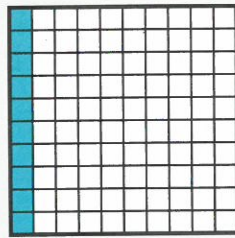
a



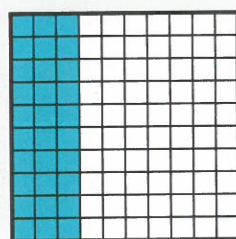
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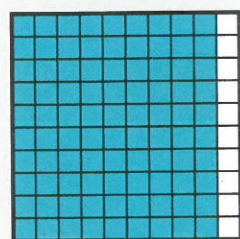
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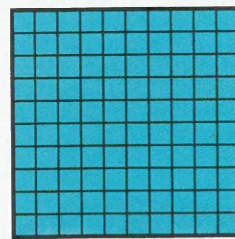
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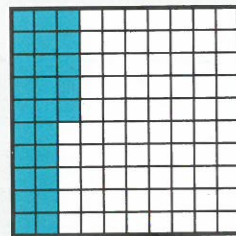
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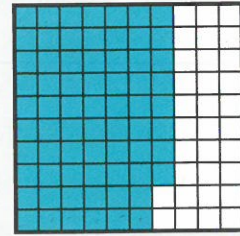
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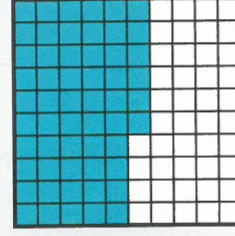
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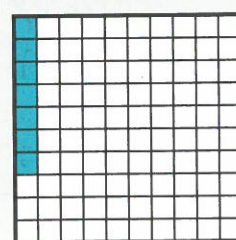
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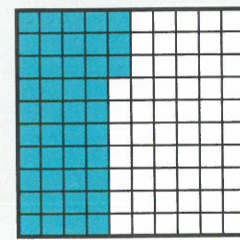
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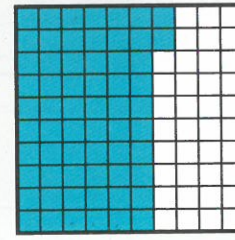
j



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%

