ercentages and fraction equivalents

now percentage equivalents of certain fractions
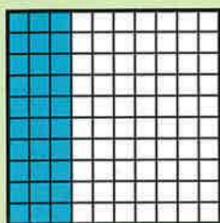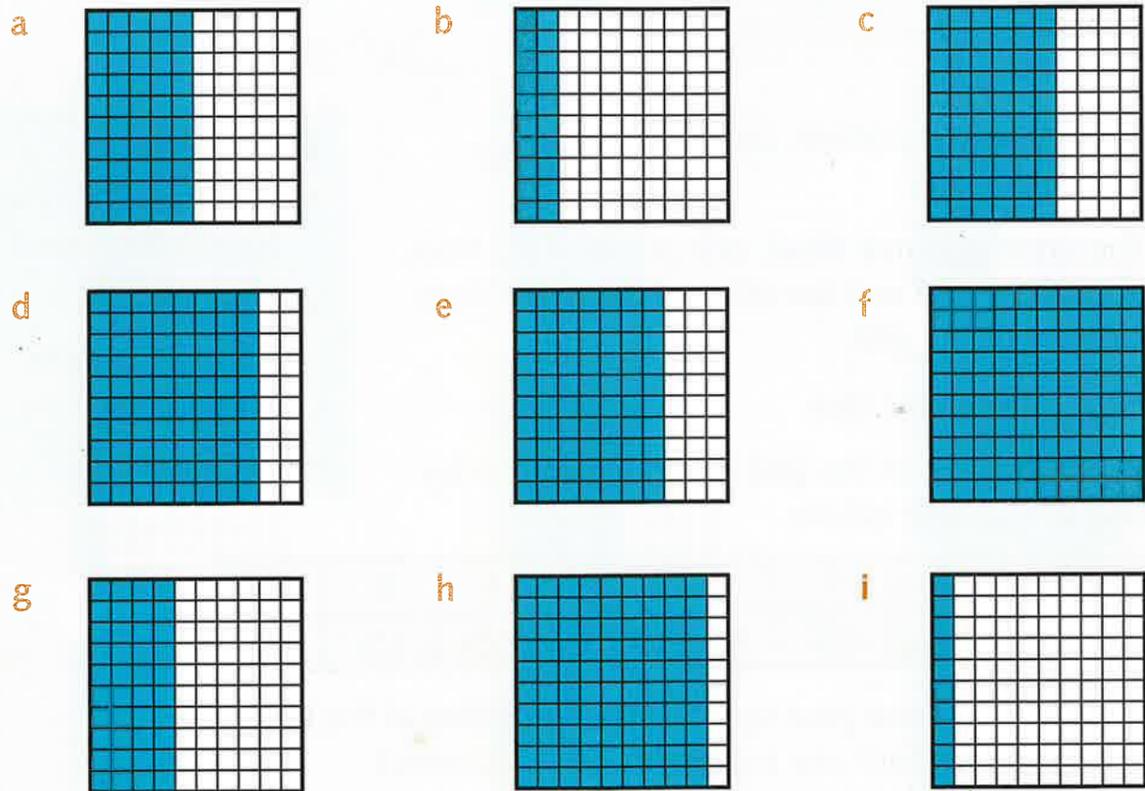
1 Look at each grid. What tenths fraction and what per cent are shaded blue?

Example

$\frac{3}{10}$ or **30%** is shaded.

a

b

c

d

e

f

g

h

i

2 Look at Question 1a. What other fraction is it equal to? Explain why this is.

Challenge 2

1 Look at each grid. What fraction and what per cent are shaded blue? Write each fraction as a fifth or quarter fraction.

a   b   c

d   e   f
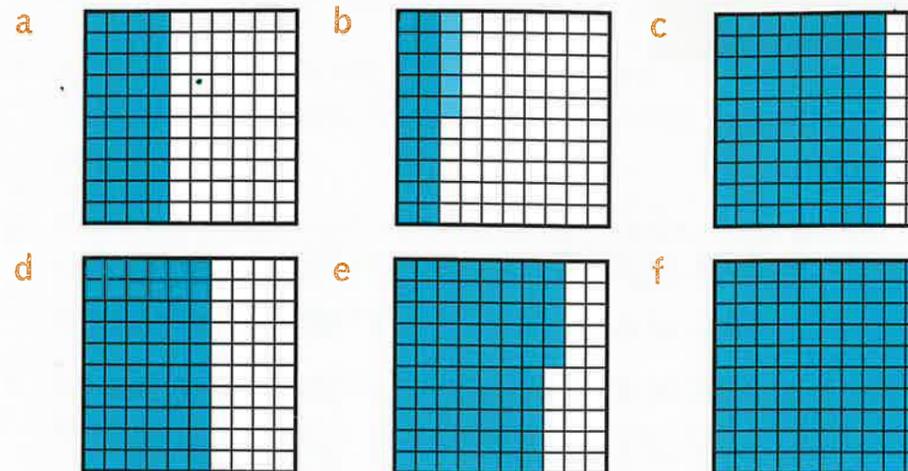
Example

$\frac{1}{5}$ = **20%**

2 Choose a fraction from the first box of fruit and then choose an equivalent percentage and hundredth from the other boxes to match.

Example

$\frac{1}{10}$ = **10%** = $\frac{10}{100}$

Apples: $\frac{1}{4}$ $\frac{3}{4}$ $\frac{10}{10}$ $\frac{3}{10}$ $\frac{7}{10}$ $\frac{9}{10}$ $\frac{1}{10}$ $\frac{4}{10}$ $\frac{1}{5}$ $\frac{6}{10}$ $\frac{5}{10}$ $\frac{3}{5}$ $\frac{8}{10}$ $\frac{2}{10}$ $\frac{2}{5}$ $\frac{4}{5}$

Lemons: 10% 75% 100% 40% 30% 60% 25% 20% 80% 50% 70% 90%

Oranges: $\frac{25}{100}$ $\frac{75}{100}$ $\frac{20}{100}$ $\frac{90}{100}$ $\frac{10}{100}$ $\frac{100}{100}$ $\frac{60}{100}$ $\frac{30}{100}$ $\frac{50}{100}$ $\frac{40}{100}$ $\frac{80}{100}$ $\frac{70}{100}$

Challenge 3

Design a domino set where equivalent percentages, fractions and decimals are matched.

If you have time, make the dominoes out of card and play the game.

$\frac{35}{100}$ / 50%   0·78 / $\frac{3}{4}$ $\frac{7}{10}$ / 0·05 $\frac{99}{100}$ / $\frac{2}{5}$