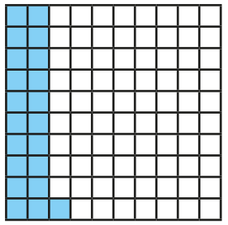
Convert fluently between simple fractions, decimals and percentages

1 What fraction, decimal and percentage of each diagram are shaded?

a)



fraction = ☐

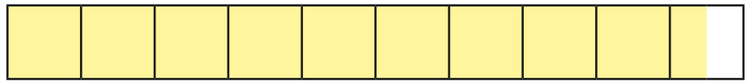
decimal = ☐

percentage = ☐

b)

fraction = ☐ decimal = ☐ percentage = ☐

c)



fraction = ☐ decimal = ☐ percentage = ☐

2 What fraction, decimal and percentage of the bar model is shaded?

fraction = ☐ decimal = ☐ percentage = ☐

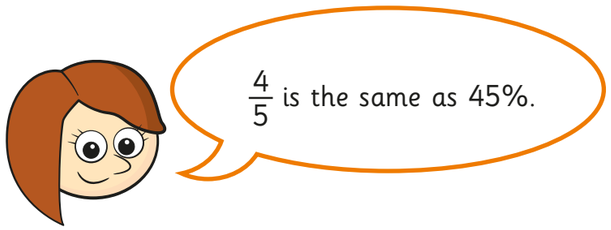
3 **a)** Sort the statements into those that are correct and those that are incorrect.

0.09 is the same as $\frac{9}{10}$	25% is equivalent to $\frac{1}{4}$
$\frac{7}{100}$ is equal to 0.07	50% is the same as 0.05
$\frac{3}{10}$ is equivalent to 30%	0.4 is the same as $\frac{1}{4}$

Correct statements	Incorrect statements

b) For the ones that are incorrect, change the statement to make it correct.

4



Is Rosie correct? _____

Explain your reasoning.

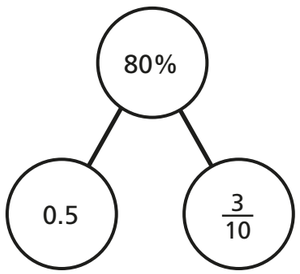
_____

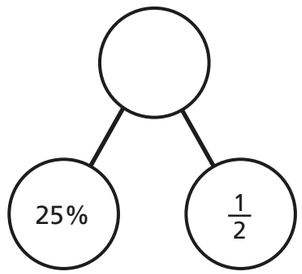
_____

5 Complete the missing values.

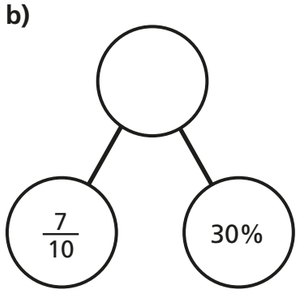
Give your answers as decimals. One has been done for you.

a)

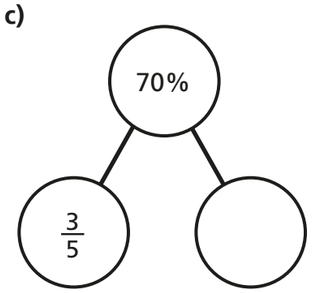




b)



c)



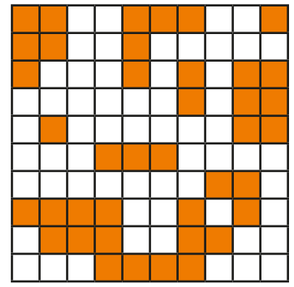
6 Complete the statements with possible decimal answers.

a) $\frac{1}{5} <$ ☐ $<$ ☐ $< 60\%$

b) $5\% <$ ☐ $< \frac{1}{10} <$ ☐

c) $\frac{3}{100} <$ ☐ $< 30\% <$ ☐

7 Tick the odd one out.



0.4

two-fifths

How did you work this out?

_____

_____

Create your own problem like this for a partner.