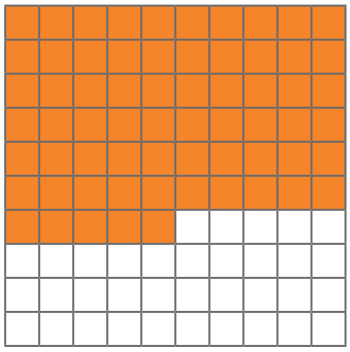
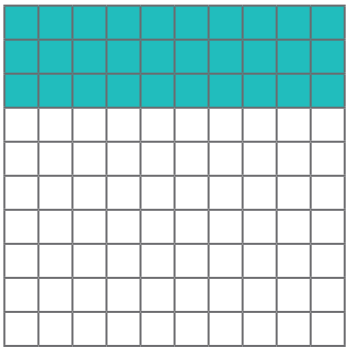
1) a) Write the letter X next to any representation that matches the hundred square labelled X.
Write the letter Y next to any representation that matches the hundred square labelled Y.
Write the letter Z next to any representation that matches the hundred square labelled Z.

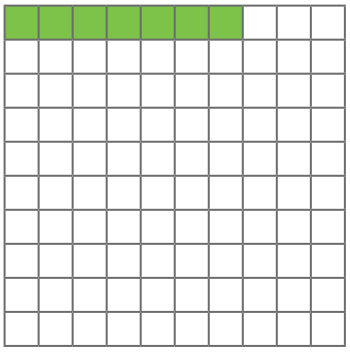
X

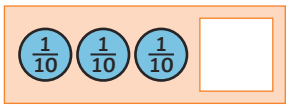


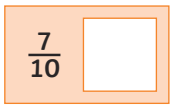
Y

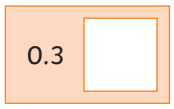


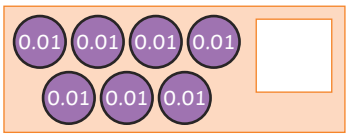
Z

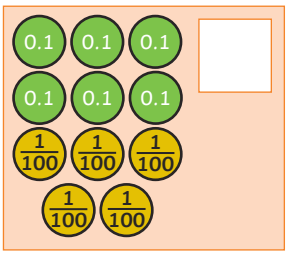


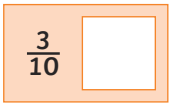


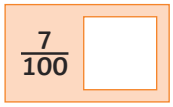












b) Two of the fractions above don't match any of the hundred squares.
Represent them in three different ways.

Fraction: ☐/☐

Fraction: ☐/☐

2) Complete this table.

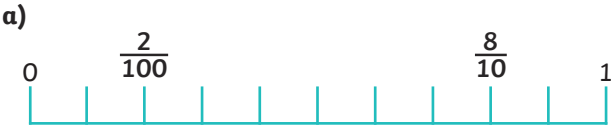
Decimal	0.9			0.49	0.04	
Fraction		$\frac{8}{100}$	$\frac{4}{10}$			$\frac{63}{100}$

1) Khatija has been writing decimals as fractions. Tick the conversions which are correct and explain any mistakes she has made.

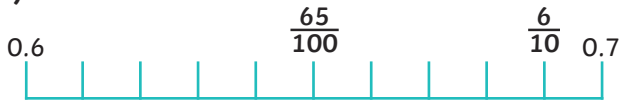
	✓ or ✗	Explanation
$0.20 = \frac{2}{10}$		
$0.08 = \frac{8}{10}$		
$0.35 = \frac{35}{100}$		
$0.7 = \frac{7}{100}$		

2) Terri has placed fractions on a decimal number line. Tick the ones which are correct. Draw a circle around those which are incorrect and explain what the right answer should be.

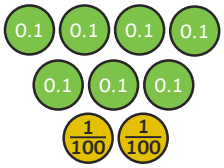
a)



b)



3) Adam is thinking of a number. It is greater than $\frac{1}{2}$ but less than 0.75. Which of these numbers could it be? Explain how you know if it is or isn't.

Number	Yes/No	Explanation
		
six-tenths		
		

1) Write a fraction and a decimal which would fit into each section of this number line:

Section	Fraction	Decimal
A		
B		
C		
D		

2) **a)** In each pair, draw a circle around the number which is closest to 0.5.

0.6 $\frac{45}{100}$	0.7 $\frac{2}{10}$	0.55 $\frac{33}{100}$	0.86 $\frac{38}{100}$

b) Which fraction or decimal out of all of the above is furthest from 0.5?

3) Complete the part-whole models. In each model use at least one decimal and one fraction: