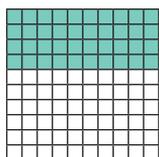
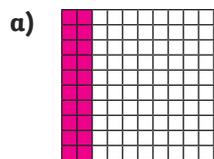


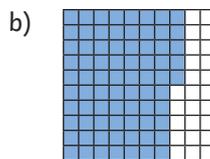


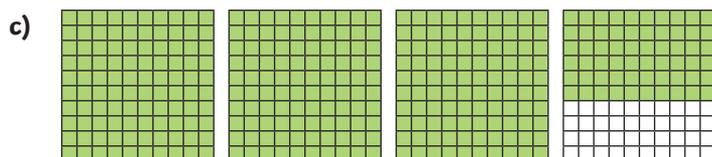
1) Write equivalent fractions and decimals for the models. One has been done for you.



$$\frac{4}{10} = \frac{40}{100} = 0.4$$







2) Complete the tables.

a)

Place Value Counters	Decimal	Decimal Expanded
	2.43	$2 + 0.4 + 0.03$
	3.51	
		$5 + 0.2 + 0.03$

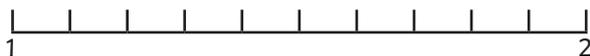
b)

Words	Decimal	Decimal Expanded
Four ones, two tenths, nine hundredths.	$4\frac{29}{100}$	$4 + \frac{2}{10} + \frac{9}{100}$
_____		$3 + \frac{8}{100}$

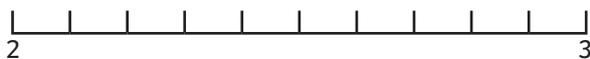
_____	$2\frac{17}{100}$	



1) a) Mark with a dot where $1\frac{3}{10}$ is on the number line.



b) Mark with a dot where $2\frac{75}{100}$ is on the number line.



2) Work out the mystery numbers. Each number needs follow all the clues. There are 2 possible answers per question.

- a) • contains the digits: 1, 4, 6
• contains 2 decimal places
• greater than 3
• tenths digit is smaller than the hundredths digit

- b) • contains the digits: 2, 1, 5, 0
• contains 1 decimal place
• no tens
• whole number is greater than 400

c) Choose an answer from a) or b) and write an extra clue which would mean that there is only 1 possible answer.

3)



Liv

I know how to convert a fraction that has 10 or 100 as the denominator, to a decimal.

$$\frac{32}{100} = 0.32, \frac{8}{100} = 0.08, \frac{4}{10} = 0.4$$

However, I'm unsure how to convert $\frac{2}{5}$ or $\frac{4}{25}$ to decimals.

Explain to Liv how to convert $\frac{2}{5}$ and $\frac{4}{25}$ to decimals.



- 1) a) These 4 digits are used to make numbers with 2 decimal places:



Each number contains all the digits.

The numbers are less than 50.
The smallest value digit is not a one.
The tenths digit is an odd number.
The ones digit is greater than the hundredths digit.

Write all the numbers it could be.

- b) Write the numbers as mixed numbers.

- 2) Write a number to 2 decimal places, and an equivalent mixed number fraction, that would fit in the sections of the number line.



Section	Decimal	Equivalent Fraction
A		
B		
C		
D		

- 3) Each number has one or two decimal places. The digits are in the order shown. Place the decimal point in the correct place to make each number match the information.

- a) The whole number is greater than 50:

9 8 2

- b) There are more than four tenths. The whole number is greater than 10:

1 5 9

- c) The tenths digit is greater than the ones digit and the whole number is less than 5:

3 4 5