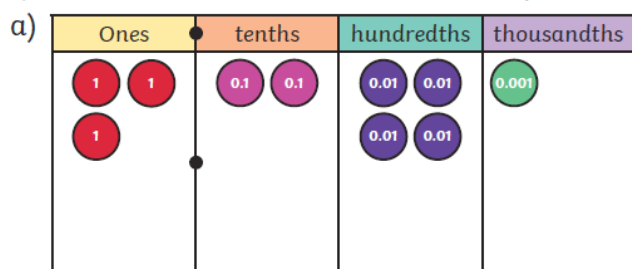


Maths LO: To represent numbers up to three decimal places on a place value chart.

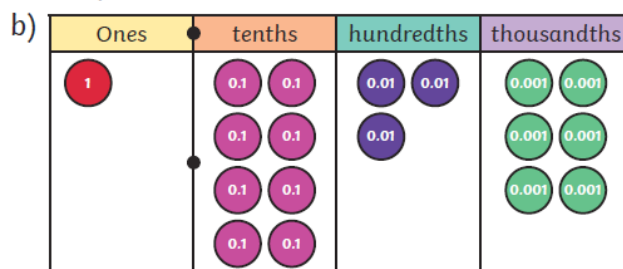
1) Tick the decimal number that is represented on the place value charts.



3.214

3.421

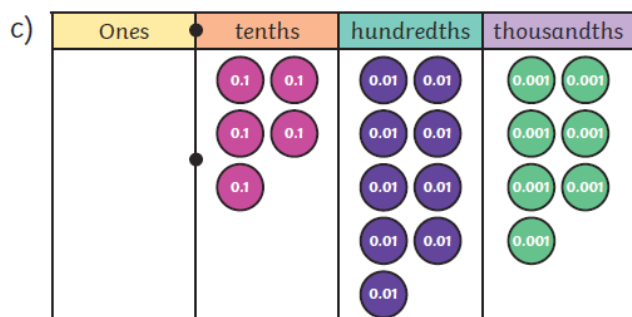
3.241



1.836

1.386

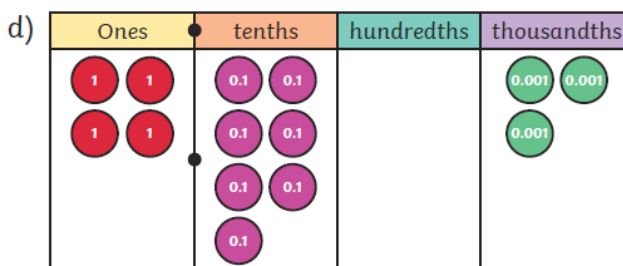
1.863



5.097

0.597

0.957

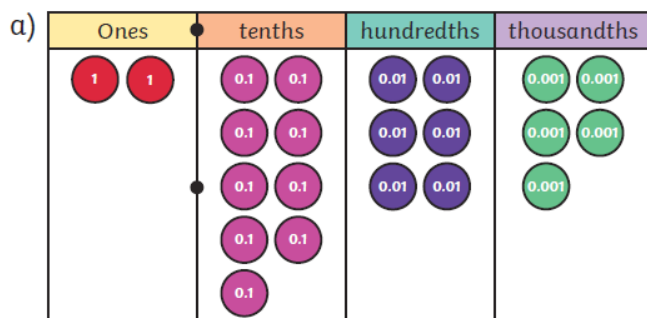


4.703

4.073

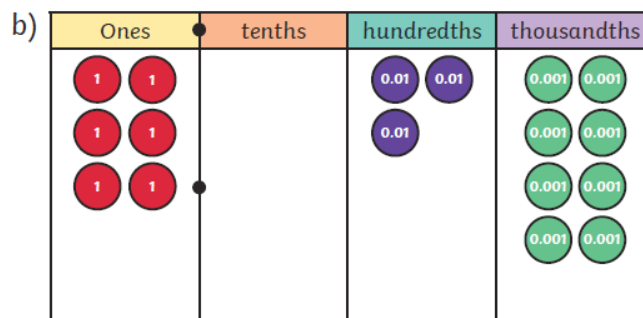
4.73

2) Complete the sentences to describe the decimal numbers.



There are \_\_\_\_ ones, \_\_\_\_ tenths,  
\_\_\_\_ hundredths and \_\_\_\_ thousandths.

The decimal number is \_\_\_\_\_.



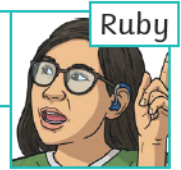
There are \_\_\_\_ ones, \_\_\_\_ tenths,  
\_\_\_\_ hundredths and \_\_\_\_ thousandths.

The decimal number is \_\_\_\_\_.

- 2) Ruby is creating different decimal numbers up to 3 decimal places out of the digit cards below. She needs to use every card once.

4	2	8	5
---	---	---	---

The greatest decimal number that I can make has 8 ones, 4 tenths, 5 hundredths and 2 thousandths.



- a) Is Ruby correct? Give reasons for your answer.

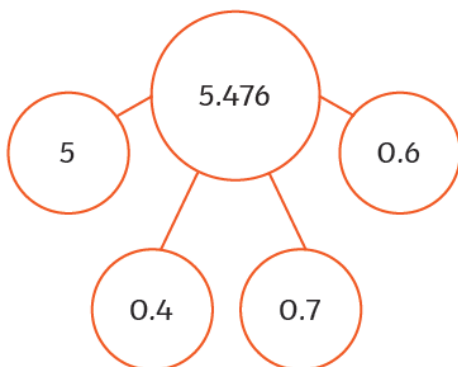
- b) Create 5 different decimal numbers up to 3 decimal places.  
You must use all of the digit cards and may only use each one once.

4	2	8	5
---	---	---	---

- 2) Hena has drawn a part-whole model to represent 5.476.



- a) Is Hena correct? Give reasons for your answer and draw a part-whole model to explain your ideas.



- b) Draw part-whole models to show how the decimal numbers can be partitioned.

3.218	0.765	8.403

3) Partition the decimal numbers into hundredths and thousandths.

Draw the counters and show the regrouping.

Example:

$\frac{14}{1000}$
-------------------

Ones	tenths	hundredths	thousandths
		0.01	<div style="display: grid; grid-template-columns: 1fr 1fr 1fr; gap: 2px;"> <div>0.001</div><div>0.001</div><div>0.001</div> <div>0.001</div><div>0.001</div><div>0.001</div> <div>0.001</div><div>0.001</div><div>0.001</div> <div>0.001</div><div>0.001</div><div>0.001</div> <div>0.001</div><div>0.001</div><div>0.001</div> </div>

$\frac{14}{1000}$  can be partitioned into:

$\frac{1}{100}$  and  $\frac{4}{1000}$

$0.01 + 0.004 = 0.014$

a)

$\frac{18}{1000}$
-------------------

Ones	tenths	hundredths	thousandths

can be partitioned into:

and

+=

b)

$\frac{23}{1000}$
-------------------

Ones	tenths	hundredths	thousandths

can be partitioned into:

and

+=

c)

$\frac{34}{1000}$
-------------------

Ones	tenths	hundredths	thousandths

can be partitioned into:

and

+=