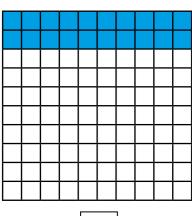
Recognise tenths and hundredths



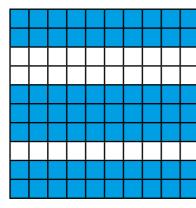
The hundred square represents 1 whole.

What fraction of each hundred square is shaded?

a)



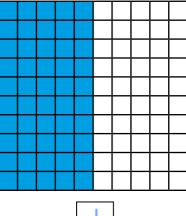
c)



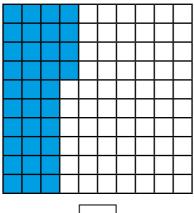
<u>|</u>5



b)



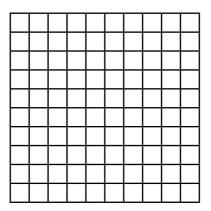
d)



2



2 Here is a hundred square.



What fraction of the whole does each represent?

a) 4 full rows =
$$\frac{2}{5}$$

b) 6 full columns =
$$\frac{3}{5}$$

c) 13 squares =
$$\frac{13}{100}$$

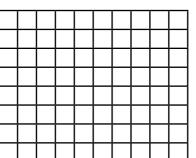
d) 2 full rows and 5 squares =
$$\frac{1}{4}$$

e) 3 full columns and 8 squares =
$$\frac{19}{50}$$

- Complete the sentences.
 - a) 4 tenths is equivalent to hundredths.
 - **b)** 70 hundredths is equivalent to 7 tenths.
 - c) 5 tenths is equivalent to 50 hundredths or 1 half

4

One row is one tenth and one column is one tenth, so if I colour one row and one column on my hundred square I will have shown 2 tenths.



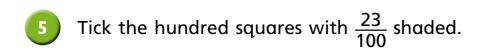


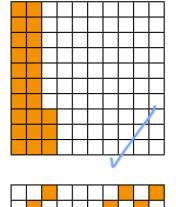
Is Dexter correct? No

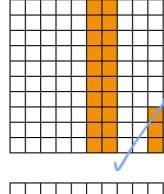
Explain your answer.

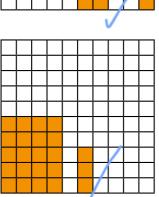
You may use the hundred square to help you.

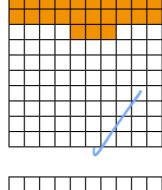
There would only be 19 squares shaded.

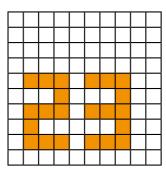






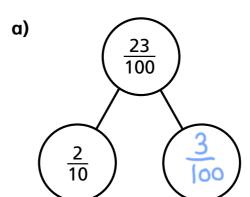


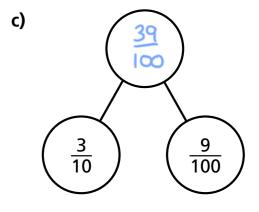


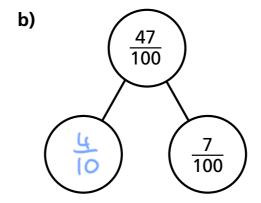


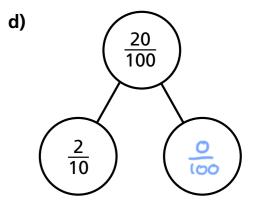


6 Complete the part-whole models.











$$\frac{73}{100} = \frac{6}{10} + \frac{13}{100}$$



Annie

Ron

Who is correct? <u>Both</u>

How many ways can you partition $\frac{73}{100}$?





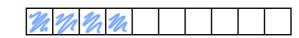
Tenths as decimals



- Shade the bar models to represent the amounts.
 - a) 7 tenths

W W W W W W

b) $\frac{4}{10}$



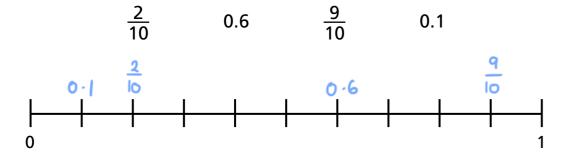
c) 0.3

	M	m	2
		K	MK
		16	WK .

2 Complete the table to show the fractions and decimals the bar models represent.

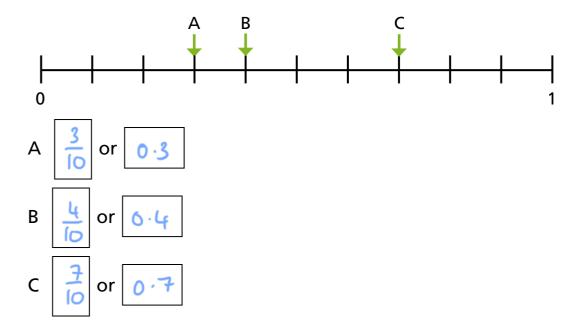
Bar model	Fraction	Decimal
	<u>- 0</u>	0 · 1
	5/10	0.5
	90	۵۰۵
	3 10	0.3

Write each fraction and decimal in the correct place on the number line.

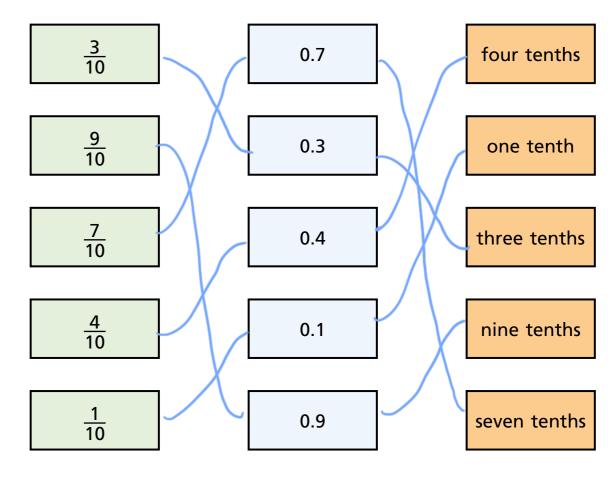


Work out the values of A, B and C.

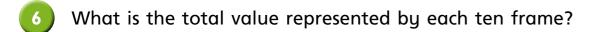
Give your answers as fractions and decimals.

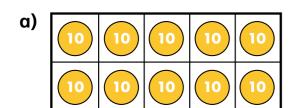


Match the equivalent fractions, decimals and words.









100

10

 0.1
 0.1
 0.1
 0.1

 0.1
 0.1
 0.1
 0.1

1

Nine tenths
can be written 0.9, so ten
tenths must be 0.10

Do you agree with Ron? No

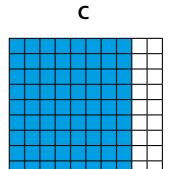
Explain your answer.

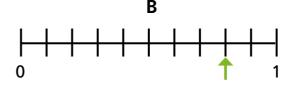
0.10 is one tenth. Ten tenths is one whole.

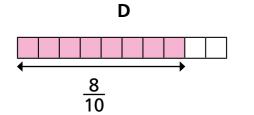
8 Eight tenths can be represented in all of the ways shown.

Α





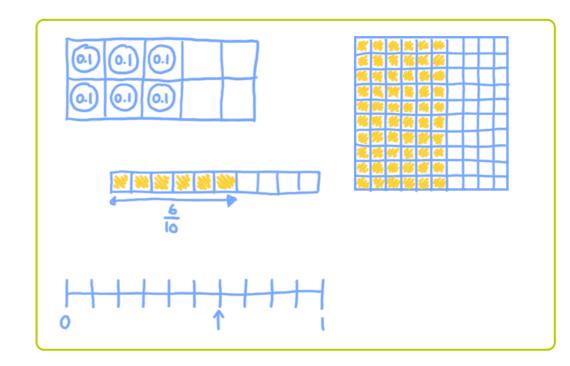




Which do you think is the best representation? <u>Various</u>

Discuss your answer with a partner.

Represent six tenths in each different way.





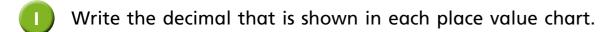


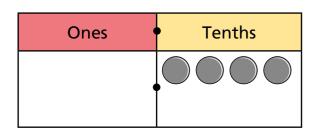




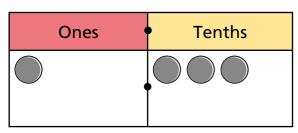
Tenths on a place value grid



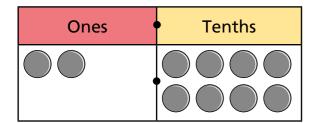










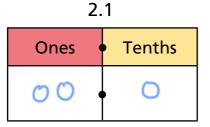


2.8

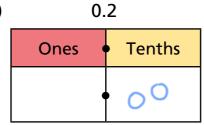
2 Draw counters on the place value charts to represent each number.



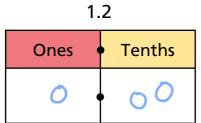
a)



c)

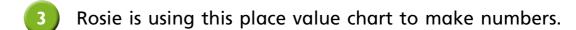


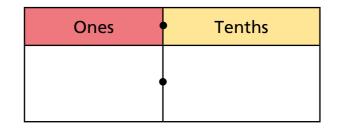
b)

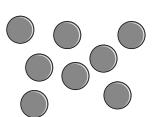


d)

)		2	
	Ones	•	Tenths
	0	•	



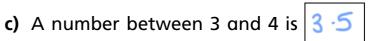




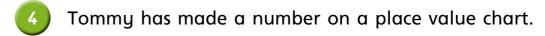
She uses all 8 counters each time.

Complete the sentences.

- a) The smallest number possible is 0.8
- **b)** The greatest number possible is



d) The closest possible number to 5 is 5.3



Ones	Tenths

a) What number has Tommy represented?

b) Draw counters to show how Tommy could have represented this differently.

Ones	Tenths
0	000

c) What method did you use? Talk about it with a partner.

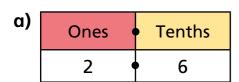




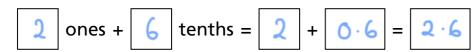


1.3

Complete the number sentences to match the place value charts.



There are ones and tenths.





There are ones and tenths.

ones +
$$\boxed{9}$$
 tenths = $\boxed{0}$ + $\boxed{0 \cdot 9}$ = $\boxed{0 \cdot 9}$

Draw counters to represent each number.

Write each number as a decimal.

a) There are 3 ones and 2 tenths.

Ones	Tenths
000	0

3.2

b) There are 5 ones and 2 tenths.

Ones	Tenths
0000	00

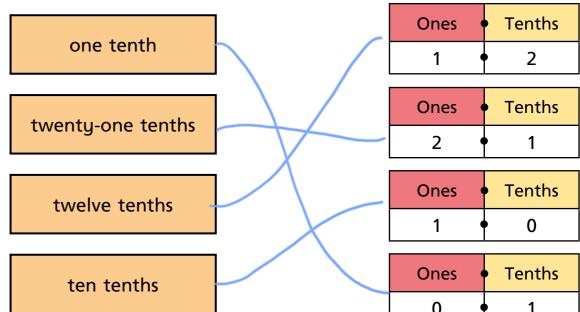
5.2

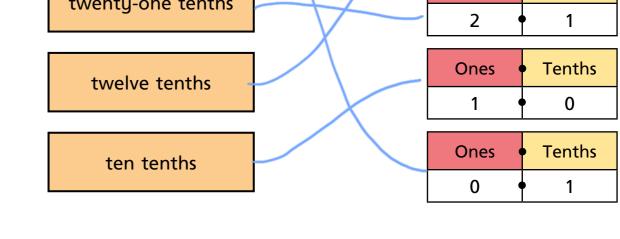
c) There are 2 tenths.

Ones	Tenths
	00

0.2

Match the written numbers to the place value charts.





Six tenths added to four tenths makes ten tenths, which is a whole.

How many other ways can you make a whole from tenths?



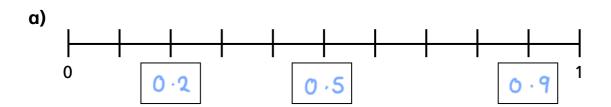


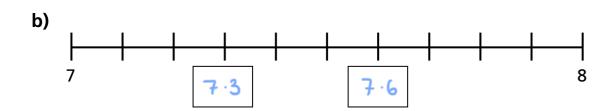


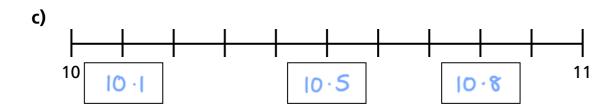
Tenths on a number line



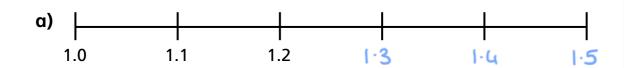
Fill in the decimal numbers on each number line.

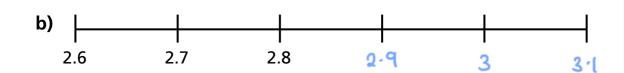


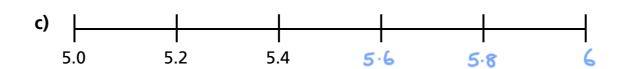


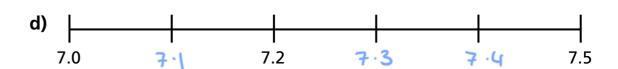


2 Complete the number lines.



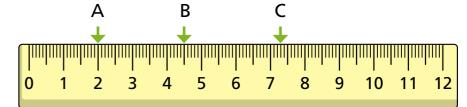






Here is a ruler with centimetres as whole numbers and millimetres as tenths.

Complete the sentences about points A, B and C.



Point A is 2 cm along the ruler.

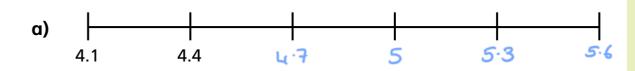
Point B is 4 cm and 5 mm along the ruler.

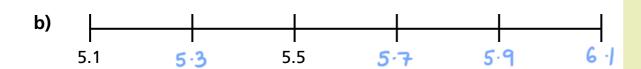
As a decimal it is 4.5 cm

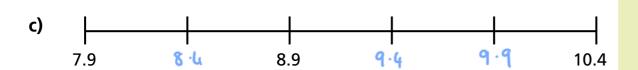
Point C is 7 cm and 3 mm along the ruler.

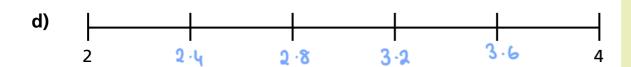
As a decimal it is 7.3 cm.

Complete the number lines.

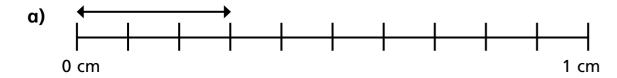




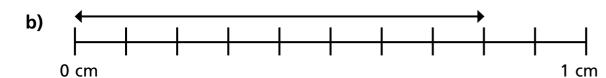




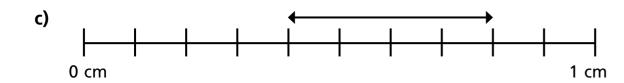
6 How long is each line?



The line is 0.3 cm long.



The line is 0.8 cm long.

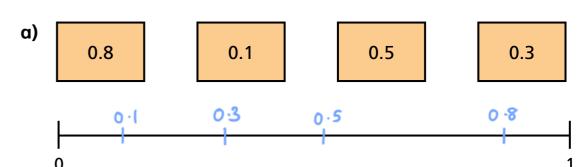


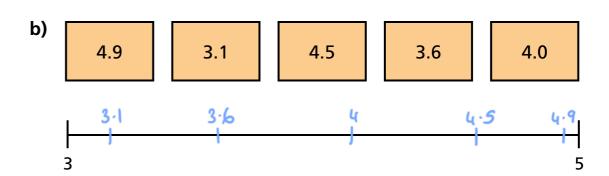
The line is 0.4 cm long.

How would your answers have been different if given in millimetres?



6 Draw arrows to estimate the position of the numbers on the number line.

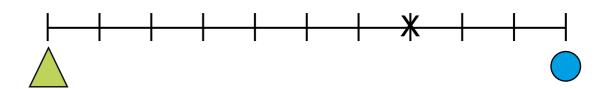




The triangle, circle and cross have the same value on both lines.

Work out the values.





Create your own problem like this for a friend.



