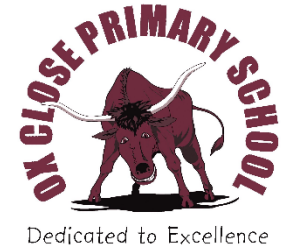


Maths Planning and Ideas



Week Commencing: Monday 15. 03. 2021

Year Group: Year 4

	Monday	Tuesday	Wednesday	Thursday	Friday
Area of Learning	LC: Can you recognise tenths?	LC: Can you recognise tenths (2)?	LC: Can you write tenths as decimals?	LC: Can you place tenths on a place value grid	LC: Can you place tenths on a number line?
Activity	<p>Starter: Times Table Rockstars</p> <p>Main: Go to the following website: https://whiterosemaths.com/ Find and watch Tenths and hundredths activity video. Pause if you need to take notes or replay sections to help with understanding.</p> <p>Independent Task: There are no worksheets as it is an activity today.</p> <p>Answers can be found in resources.</p>	<p>Starter: Times Table Rockstars</p> <p>Main: Go to the following website: https://whiterosemaths.com/ Find and watch Recognise tenths and hundredths video. Pause if you need to take notes or replay sections to help with understanding.</p> <p>Independent Task: Children to complete worksheet found in resources.</p> <p>Answers can be found in resources.</p>	<p>Starter: Times Table Rockstars</p> <p>Main: Go to the following website: https://whiterosemaths.com/ Find and watch Tenths as decimals video. Pause if you need to take notes or replay sections to help with understanding.</p> <p>Independent Task: Children to complete worksheet found in resources.</p> <p>Answers can be found in resources.</p>	<p>Starter: Times Table Rockstars</p> <p>Main: Go to the following website: https://whiterosemaths.com/ Find and watch Tenths on a place value grid video. Pause if you need to take notes or replay sections to help with understanding.</p> <p>Independent Task: Children to complete worksheet found in resources.</p> <p>Answers can be found in resources.</p>	<p>Starter: Times Table Rockstars</p> <p>Main: Go to the following website: https://whiterosemaths.com/ Find and watch Tenths on a number line video. Pause if you need to take notes or replay sections to help with understanding.</p> <p>Independent Task: Children to complete worksheet found in resources.</p> <p>Answers can be found in resources.</p>

Where can I complete further work?

[Twinkl](#) – Subscription service used by schools is offering a free premium service for teachers, parents and children to use whilst schools are closed. Enter the code **UKTWINKLHELPS** for access to worksheets, powerpoints and interactive games to support all areas of learning.

[Classroom Secrets](#) – Free Maths, Reading and Grammar home learning packs and interactive resources for all ages.

[White Rose Maths](#) – Free Maths home learning resources for all ages. Watch the videos and try the questions.

[Primary Stars](#) – Free Maths home learning packs for Year 1 and 2.

[BBC Bitesize Primary](#) – Free learning resources available for KS1 and KS2 across all subjects.

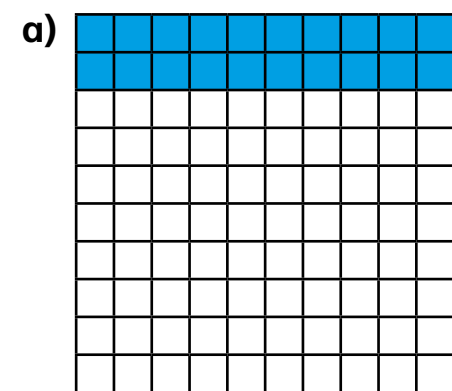
[I See Maths](#) – Free daily home maths lessons hosted by Gareth Metcalfe. Follow the link for videos, information and resources.

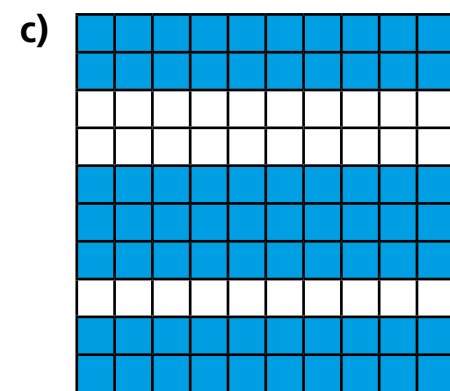
[Top Marks](#) – Free educational resources and games for English and Maths.

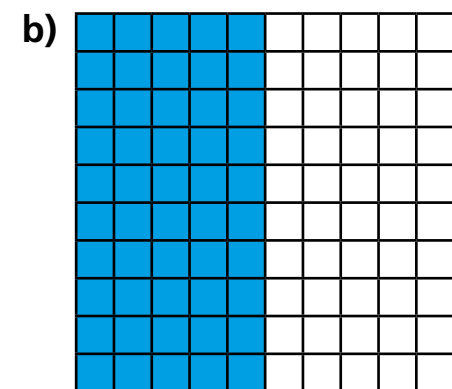
[ICT Games](#) – Free educational resources and games for English and Maths.

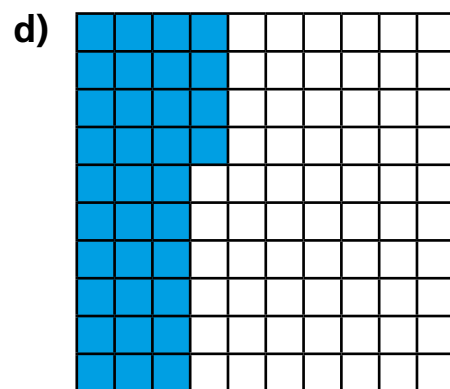
- 1 The hundred square represents 1 whole.

What fraction of each hundred square is shaded?

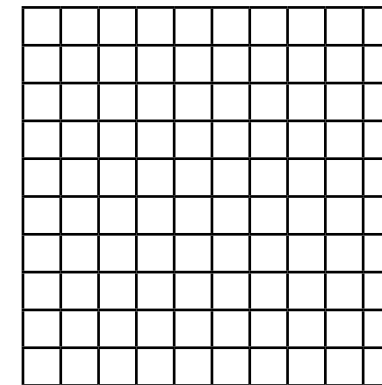








- 2 Here is a hundred square.



What fraction of the whole does each represent?

a) 4 full rows =

b) 6 full columns =

c) 13 squares =

d) 2 full rows and 5 squares =

e) 3 full columns and 8 squares =

- 3 Complete the sentences.

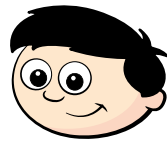
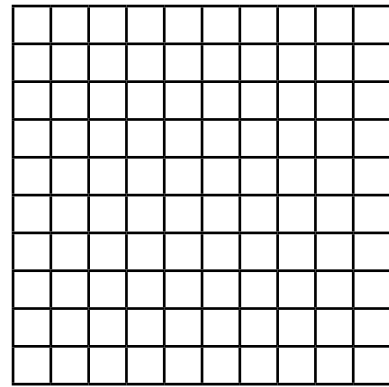
a) 4 tenths is equivalent to hundredths.

b) 70 hundredths is equivalent to tenths.

c) 5 tenths is equivalent to hundredths or 1 _____

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? _____

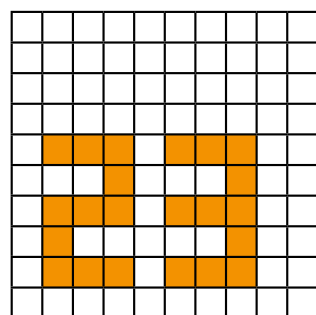
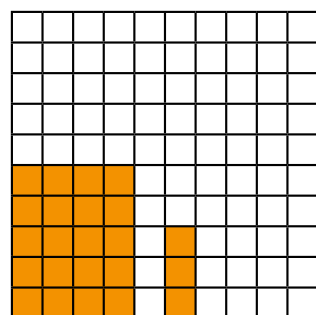
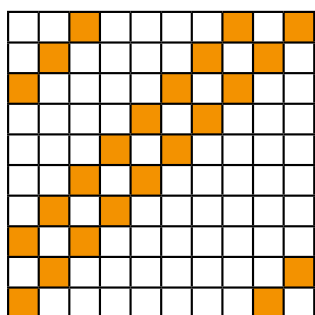
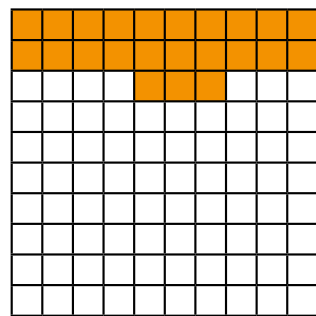
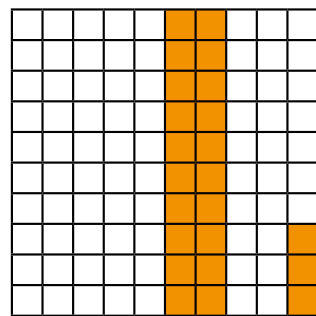
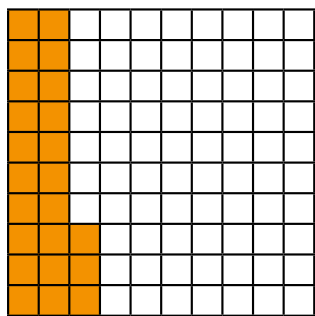
Explain your answer.

You may use the hundred square to help you.



5

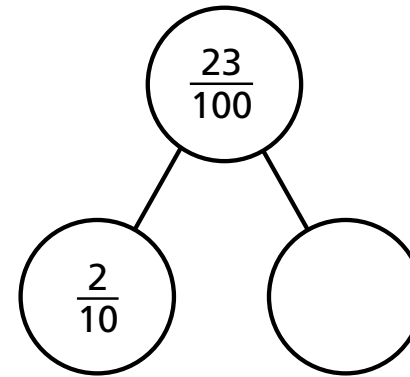
Tick the hundred squares with $\frac{23}{100}$ shaded.



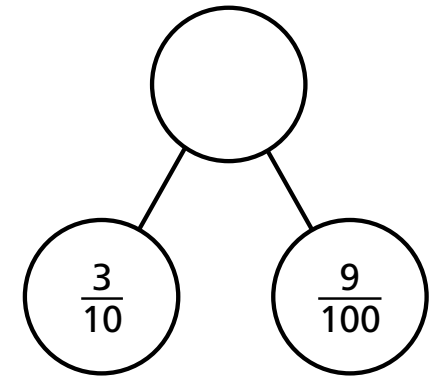
6

Complete the part-whole models.

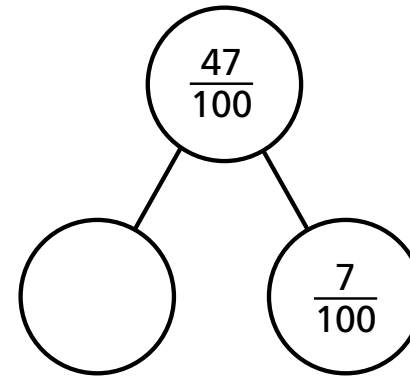
a)



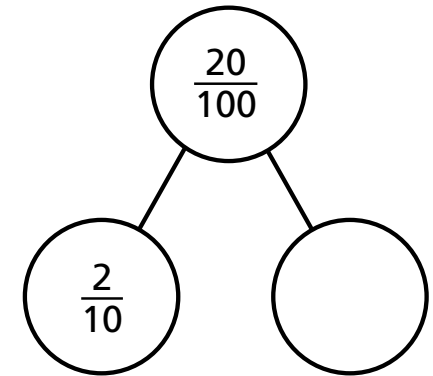
c)



b)



d)



7



Annie

$$\frac{73}{100} = \frac{7}{10} + \frac{3}{100}$$

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



Ron

Who is correct? _____

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



Tenths as decimals



1 Shade the bar models to represent the amounts.

a) 7 tenths

--	--	--	--	--	--	--	--	--	--

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

--	--	--	--	--	--	--	--	--	--

c) 0.3

--	--	--	--	--	--	--	--	--	--

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

Bar model	Fraction	Decimal

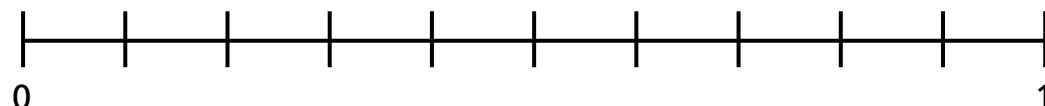
3 Write each fraction and decimal in the correct place on the number line.

$\frac{2}{10}$

0.6

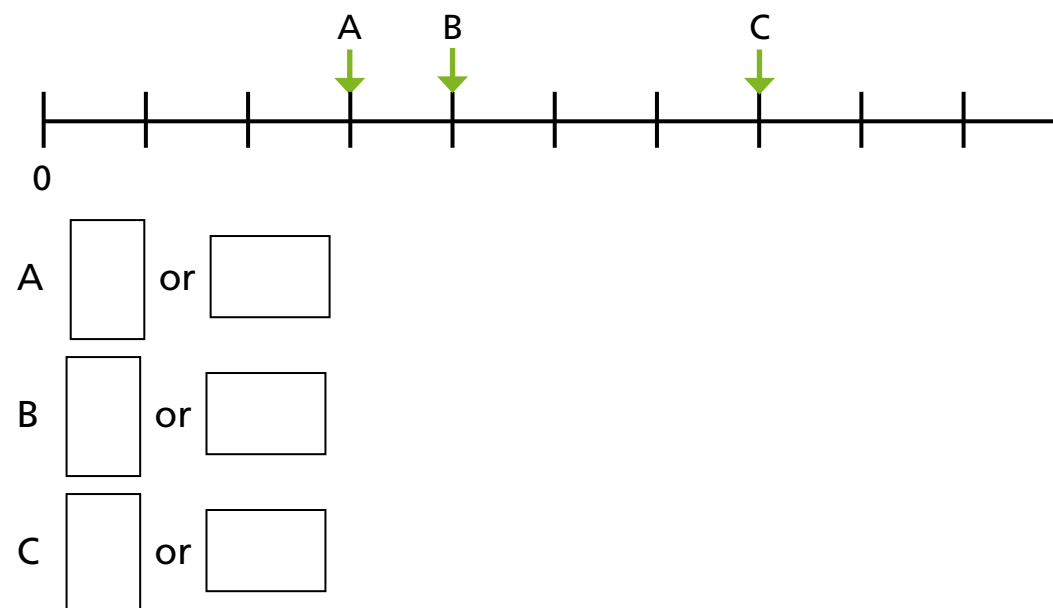
$\frac{9}{10}$

0.1



4 Work out the values of A, B and C.

Give your answers as fractions and decimals.



5 Match the equivalent fractions, decimals and words.

$\frac{3}{10}$

0.7

four tenths

$\frac{9}{10}$

0.3

one tenth

$\frac{7}{10}$

0.4

three tenths

$\frac{4}{10}$

0.1

nine tenths

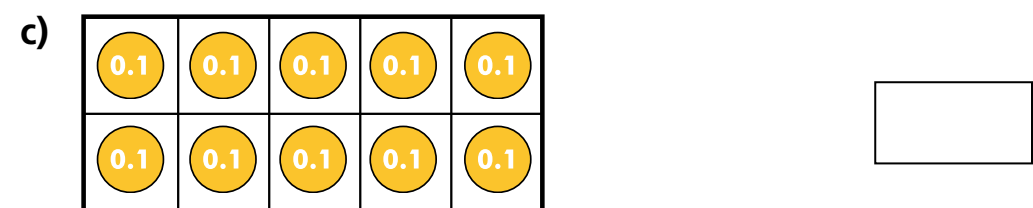
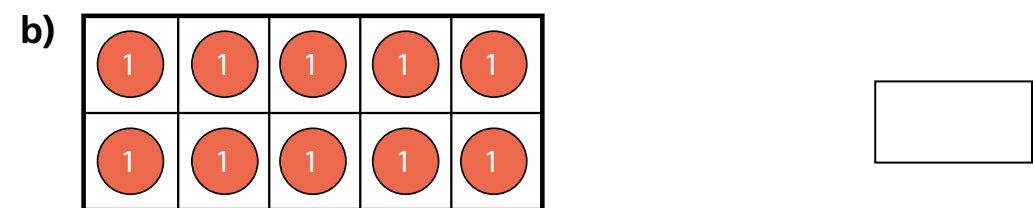
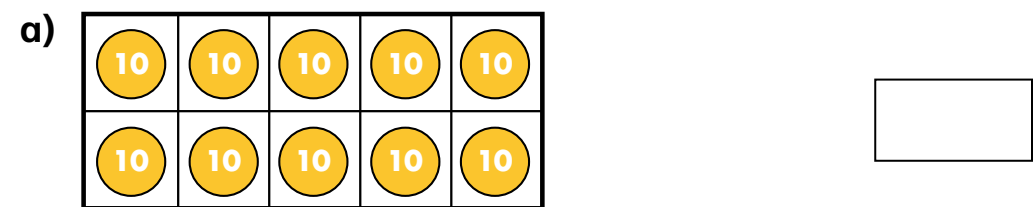
$\frac{1}{10}$

0.9

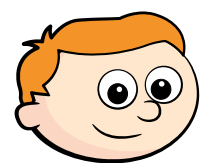
seven tenths



6 What is the total value represented by each ten frame?



7

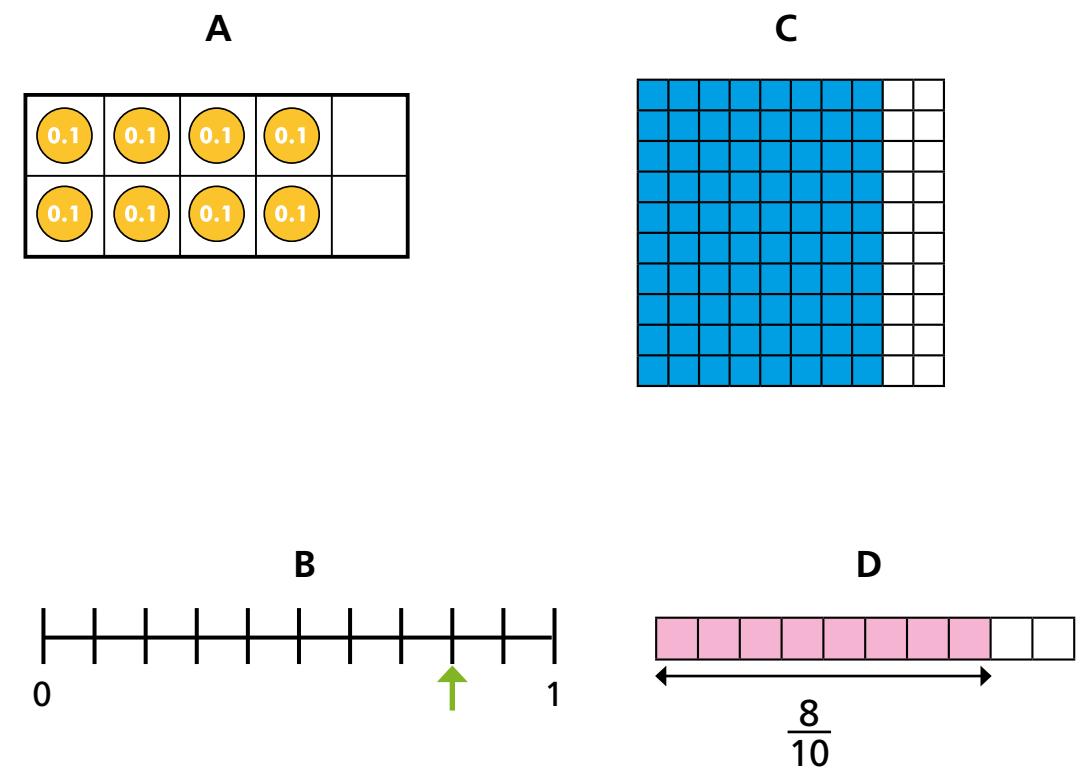


Nine tenths
can be written 0.9, so ten
tenths must be 0.10

Do you agree with Ron? _____

Explain your answer.

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



Which do you think is the best representation? _____

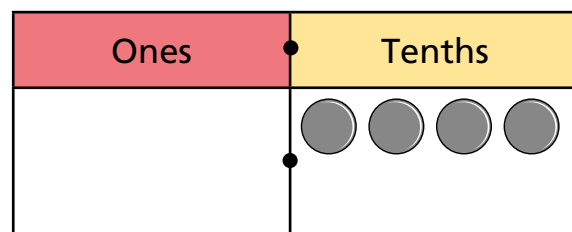
Discuss your answer with a partner.

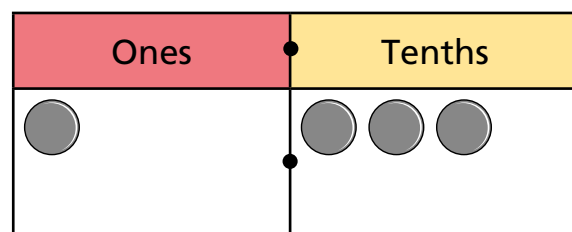
Represent six tenths in each different way.

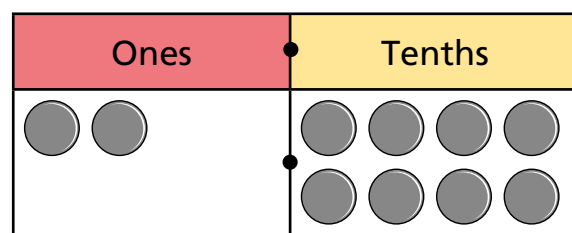


Tenths on a place value grid

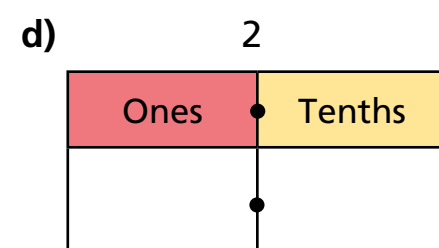
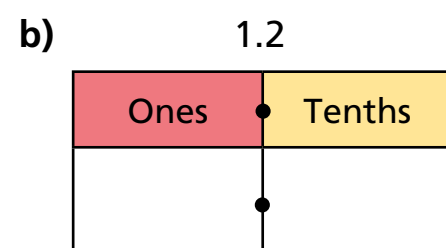
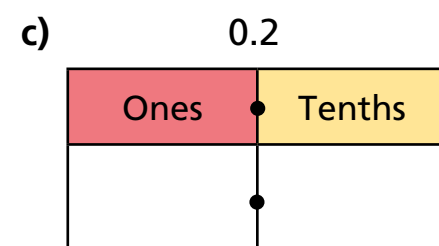
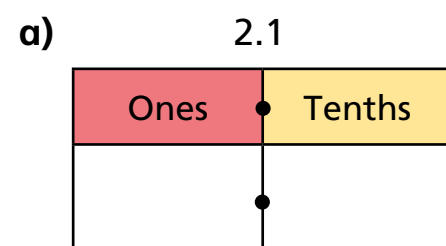
- 1 Write the decimal that is shown in each place value chart.



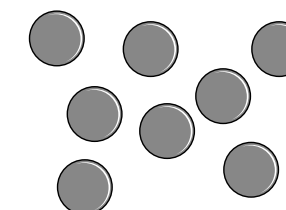
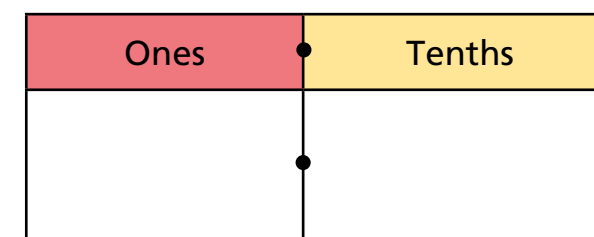




- 2 Draw counters on the place value charts to represent each number.



- 3 Rosie is using this place value chart to make numbers.



She uses all 8 counters each time.

Complete the sentences.

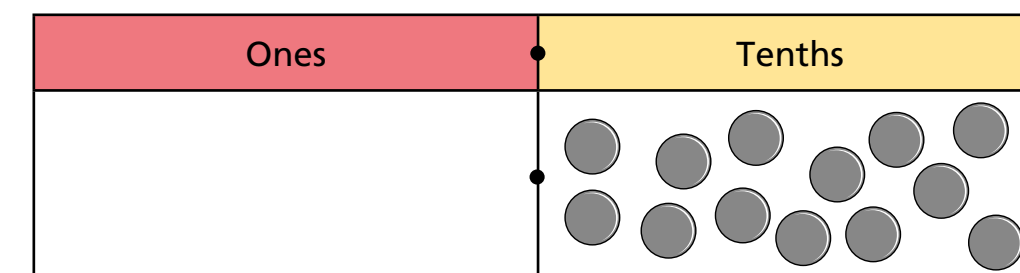
a) The smallest number possible is

b) The greatest number possible is

c) A number between 3 and 4 is

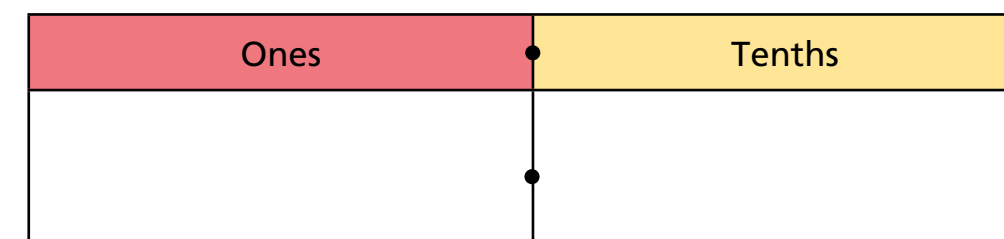
d) The closest possible number to 5 is

- 4 Tommy has made a number on a place value chart.



a) What number has Tommy represented?

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



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

- 5 Complete the number sentences to match the place value charts.

a)

Ones	Tenths
2	6

There are ones and tenths.

ones + tenths = + =

b)

Ones	Tenths
0	9

There are ones and tenths.

ones + tenths = + =

- 6 Draw counters to represent each number.

Write each number as a decimal.

- a) There are 3 ones and 2 tenths.

Ones	Tenths

- b) There are 5 ones and 2 tenths.

Ones	Tenths

- c) There are 2 tenths.

Ones	Tenths

- 7 Match the written numbers to the place value charts.

one tenth

twenty-one tenths

twelve tenths

ten tenths

Ones	Tenths
1	2

Ones	Tenths
2	1

Ones	Tenths
1	0

Ones	Tenths
0	1

- 8

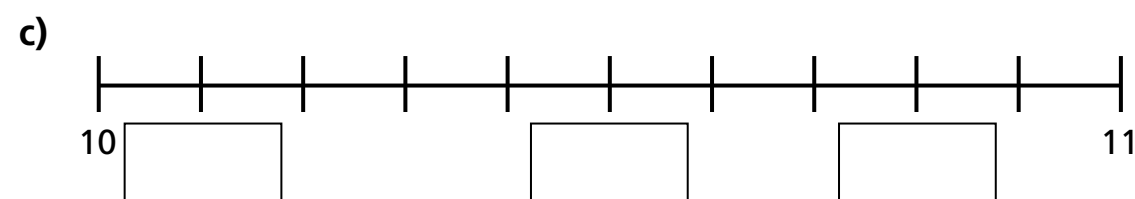
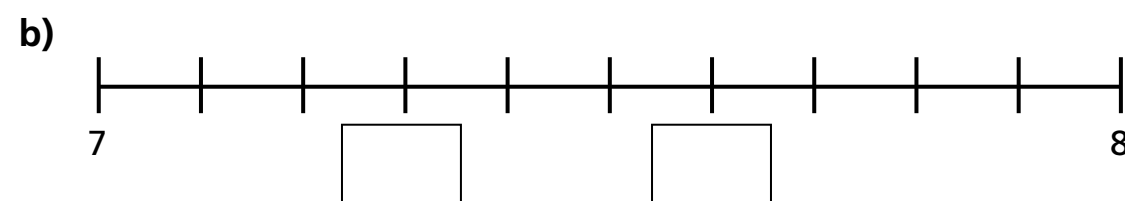
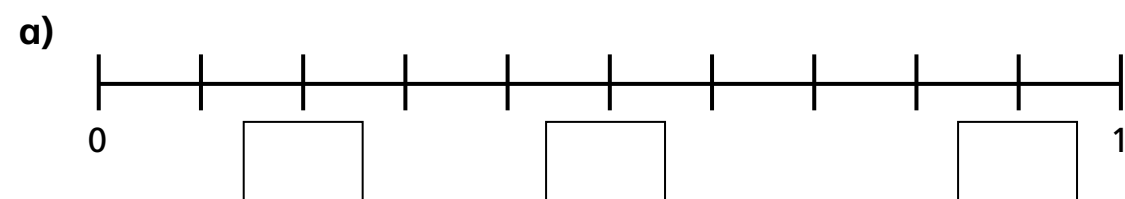


Six tenths added to four tenths makes ten tenths, which is a whole.

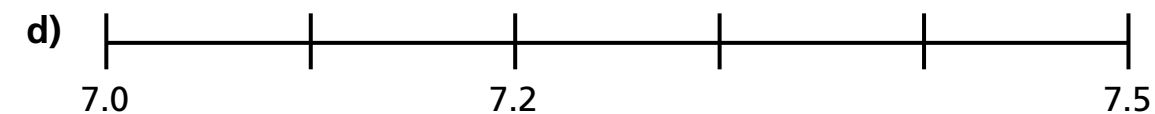
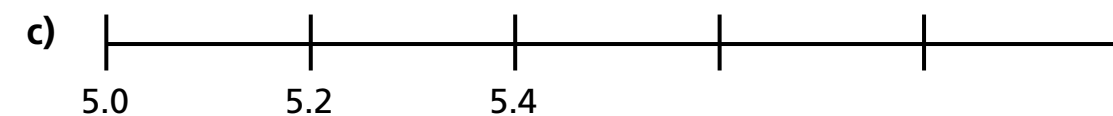
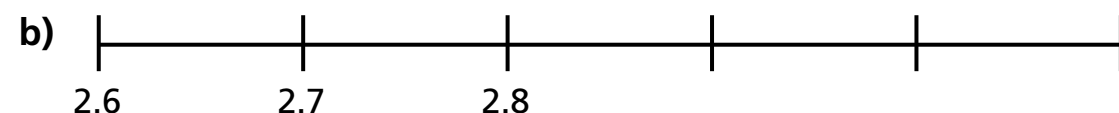
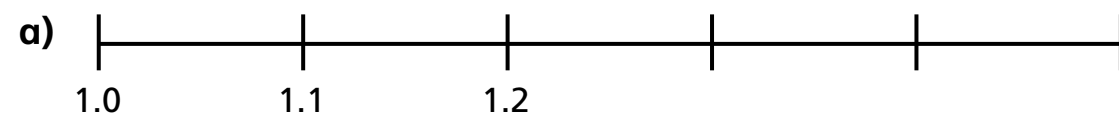
How many other ways can you make a whole from tenths?

Tenths on a number line

1 Fill in the decimal numbers on each number line.

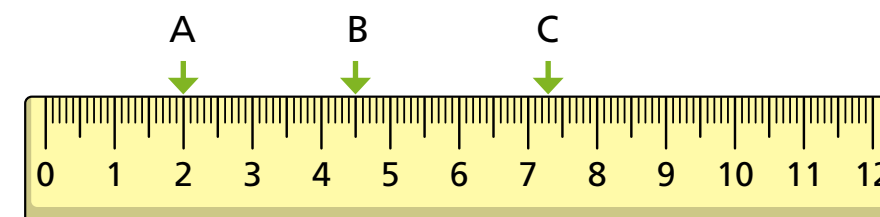


2 Complete the number lines.



3 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 cm along the ruler.

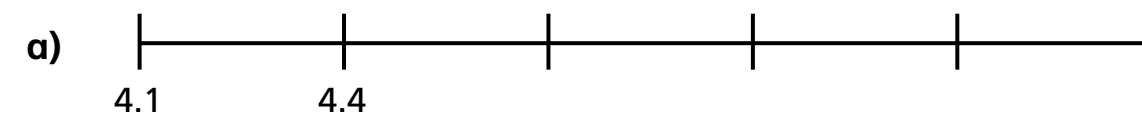
Point B is cm and mm along the ruler.

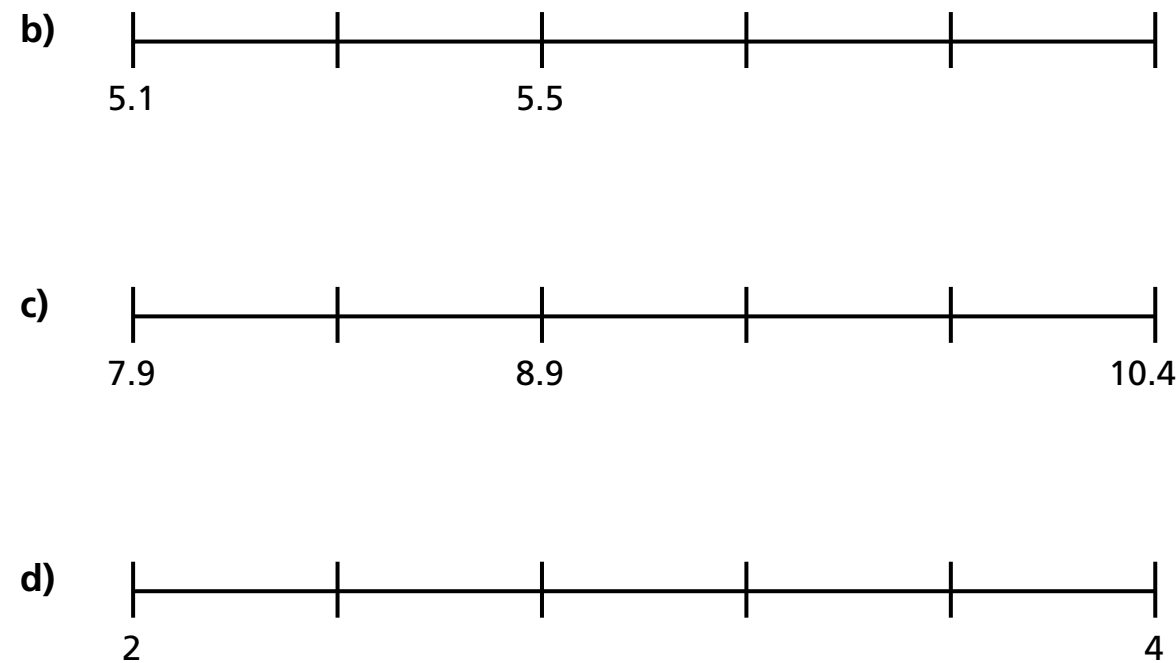
As a decimal it is cm.

Point C is cm and mm along the ruler.

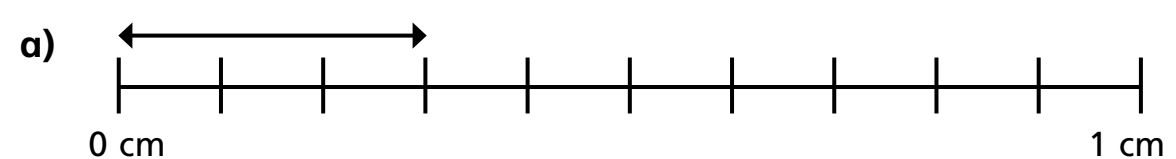
As a decimal it is cm.

4 Complete the number lines.

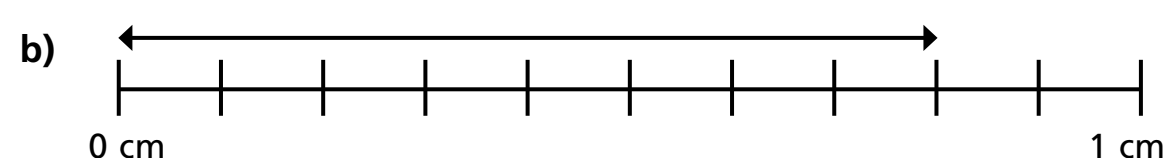




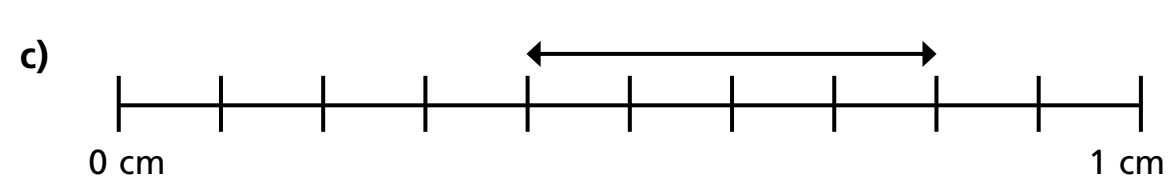
5 How long is each line?



The line is cm long.



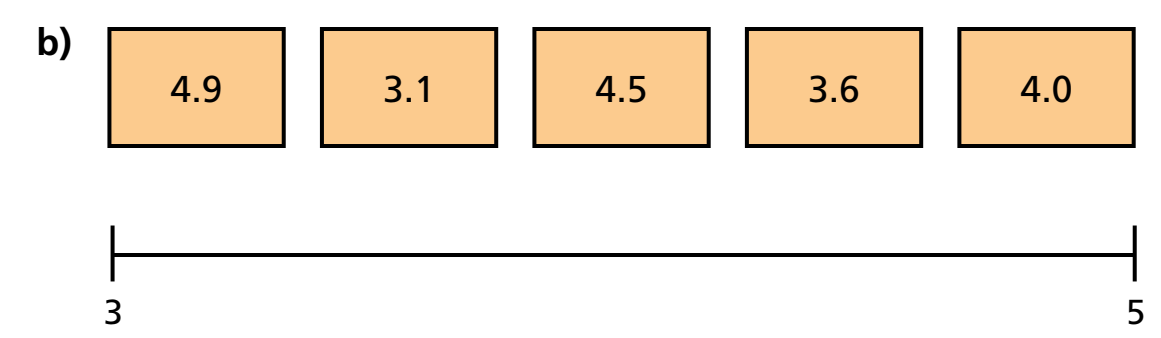
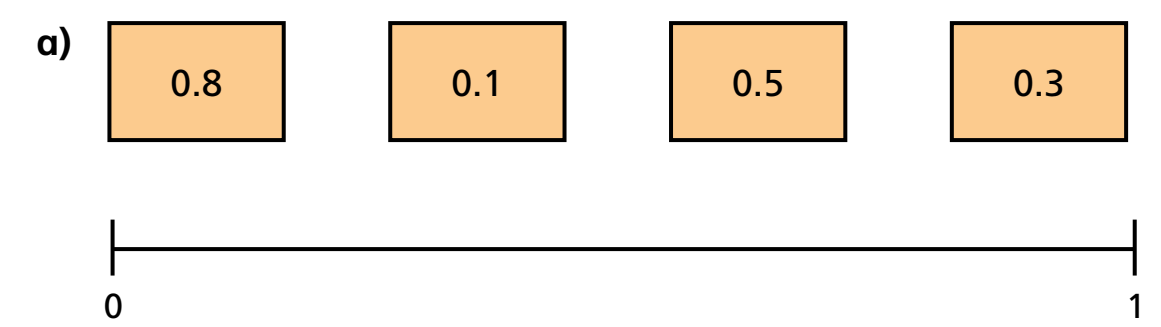
The line is cm long.



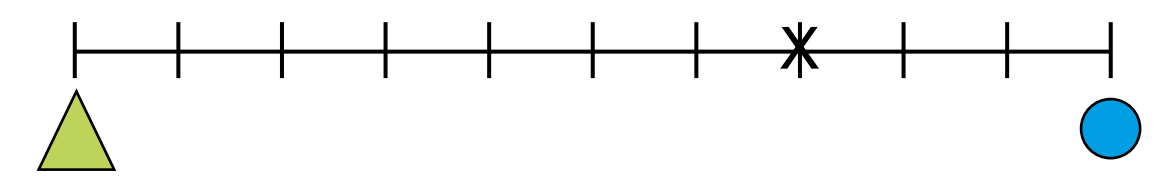
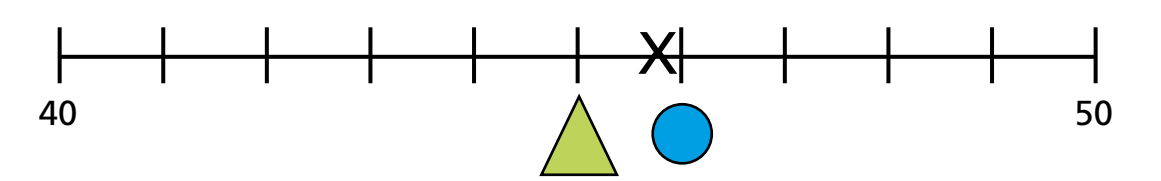
The line is cm long.

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.



7 The triangle, circle and cross have the same value on both lines. Work out the values.



= = X =

Create your own problem like this for a friend.

