

Class 3 Home Learning, week beginning 27th April 2020

Maths - Year 4

Lesson 3

Tenths on a place value grid

Please watch the video before choosing your challenge.

Why not have a go at the reasoning and problem solving?

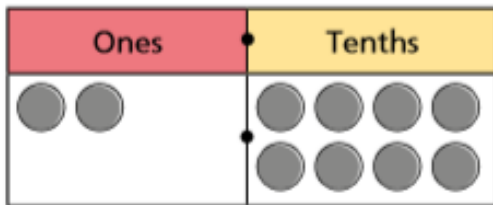
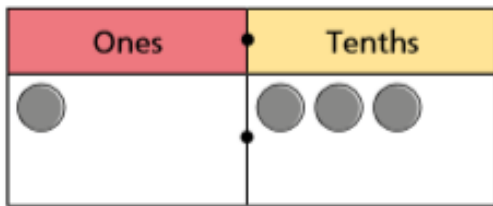
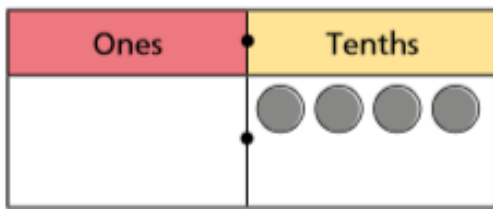
Can I read and represent tenths on a place value grid?

### Challenge 1

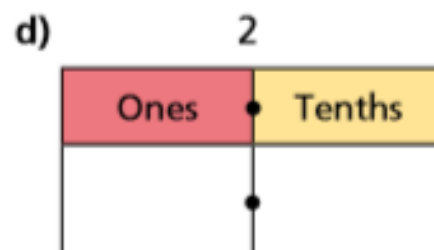
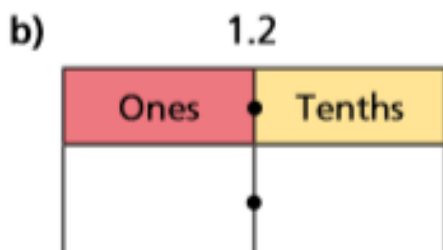
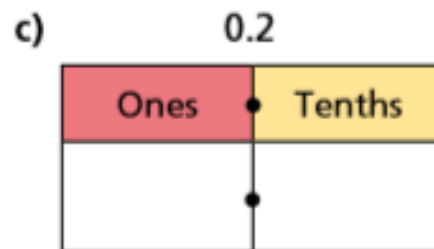
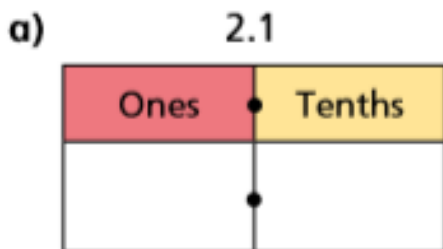
These pages do not need to be printed out. Please write the short date you do the work and the above question in your maths book, underlining them with a ruler. Remember to write the question number too!

Questions 1-3 mentioned in the video are questions 1-3 in Challenge 1.

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

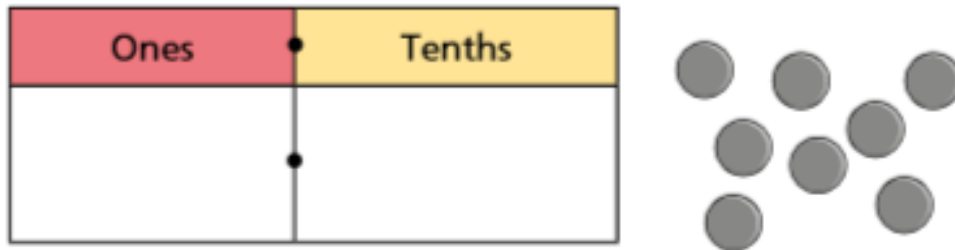


2) Draw the place value charts in your maths book. Draw counters on them to represent each number.



3) Copy and complete each sentence in your maths book.

Rosie is using this place value chart to make numbers.

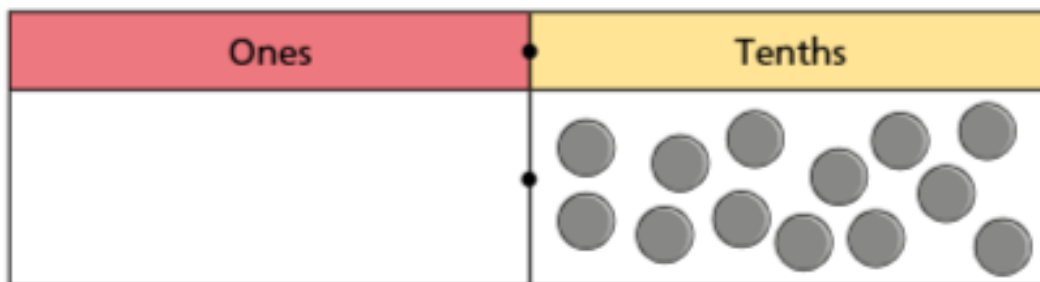


She uses all 8 counters each time.

Complete the sentences.

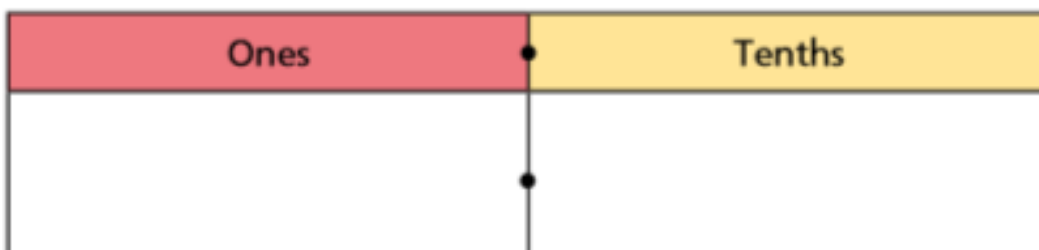
- a) The smallest number possible is
- b) The greatest number possible is
- c) A number between 3 and 4 is
- d) The closest possible number to 5 is

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.



Can I read and represent tenths on a place value grid?

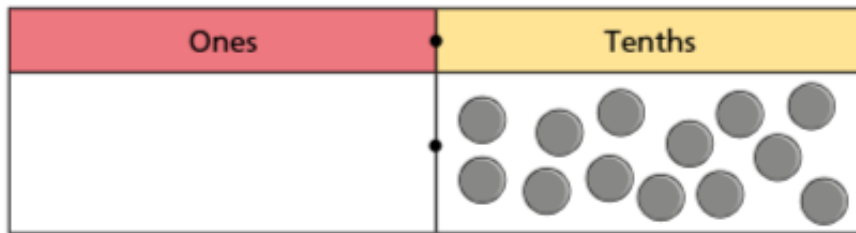
### Challenge 2

These pages do not need to be printed out. Please write the short date you do the work and the above question in your maths book, underlining them with a ruler. Remember to write the question number too!

Questions 1-3 mentioned in the video are questions 1-3 in Challenge 1.

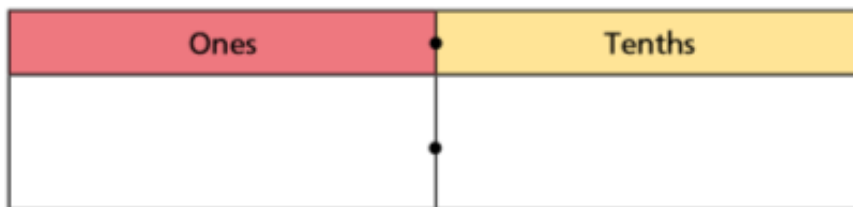
Tommy has made a number on a place value chart.

1)

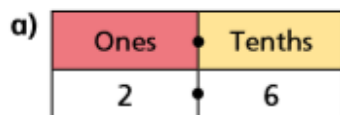


a) What number has Tommy represented?

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



2) Write the number sentences in your maths book. Fill in the blanks, so the sentences match the place value charts.



There are  ones and  tenths.

$$\square \text{ ones} + \square \text{ tenths} = \square + \square = \square$$



There are  ones and  tenths.

$$\square \text{ ones} + \square \text{ tenths} = \square + \square = \square$$

3) Draw the place value tables in your maths book.

- 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

4)

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

5)



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

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

Can I read and represent tenths on a place value grid?

**Reasoning and problem solving**

Please write the short date you do the work and the above question in your maths book, underlining them with a ruler. Remember to write the question number too.

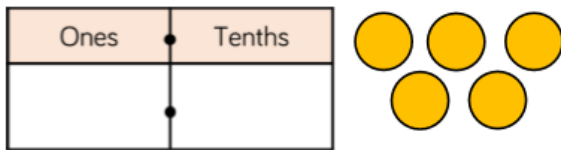
- 1) Use five counters and a place value grid.  
Place all five counters in either the ones or the tenths column.

How many different numbers can you make?

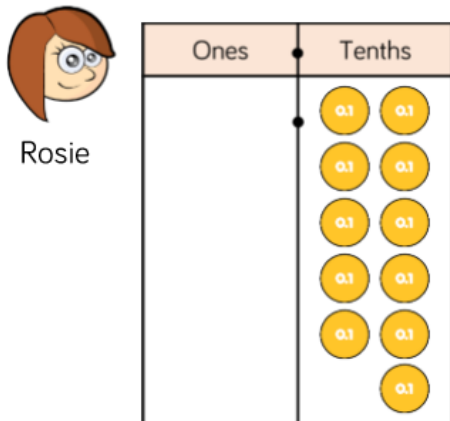
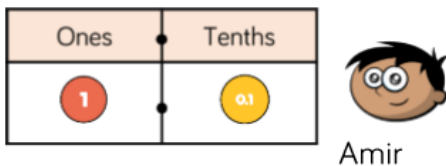
Describe the numbers you have made by completing the stem sentences.

There are  ones and  tenths.

$$\text{ ones} + \text{ tenths} = \text{$$



- 2) Two children are making eleven tenths.



Who has made it correctly?  
Explain your answer.

# Tenths on a Place Value Grid

## Reasoning and Problem Solving

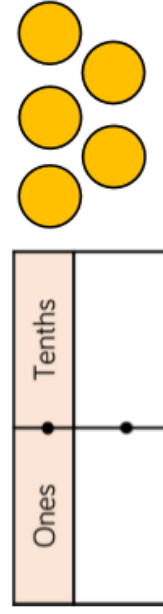
Use five counters and a place value grid.  
Place all five counters in either the ones or the tenths column.

How many different numbers can you make?

Describe the numbers you have made by completing the stem sentences.

There are  ones and  tenths.

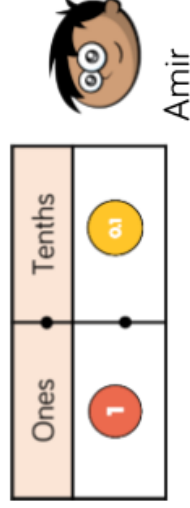
ones +  tenths =



Children can make:

- 0.5
- 1.4
- 2.3
- 3.2
- 4.1
- 5.0

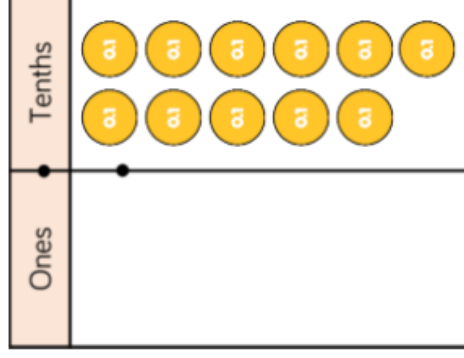
Two children are making eleven tenths.



Amir



Rosie



Amir and Rosie have both made eleven tenths correctly.  
Amir has seen that 10 tenths is equivalent to 1 one.

Who has made it correctly?  
Explain your answer.