

Class 3 Home Learning, week beginning 27th April 2020

# Maths - Year 3

## Lesson 5

### Tenths as decimals

Please watch the video before choosing your challenge.

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


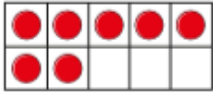

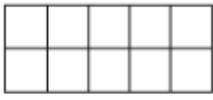
Do I understand tenths as decimals?

### 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 1-5 mentioned in the video are questions 1-5 in Challenge 1.

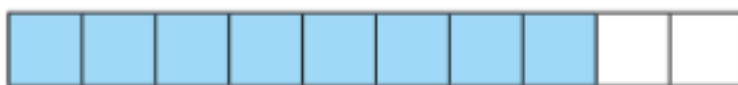
1) Write the answers in your maths book.

	Representation	Words	Fraction	Decimal
a)		1 tenth		0.1
b)			$\frac{7}{10}$	
c)				0.3
d)		5 tenths		

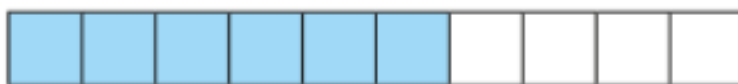
2) Draw each bar model in your maths book and write the correct decimal next to it.



0.8



0.6

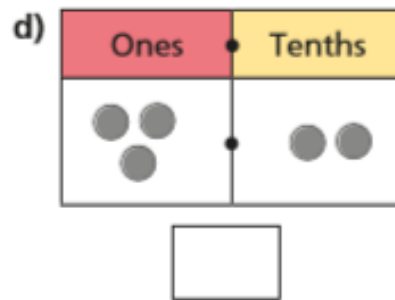
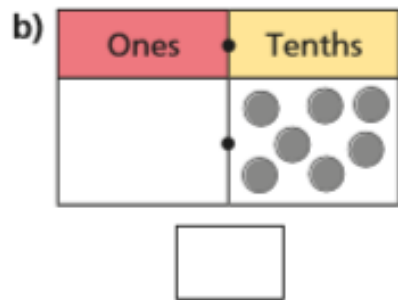
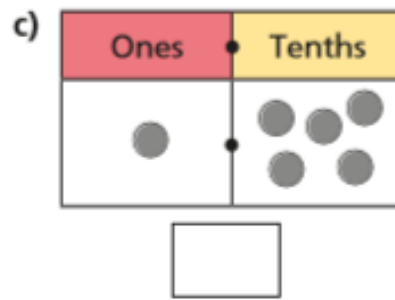
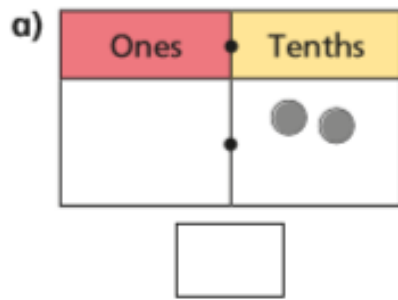


0.4

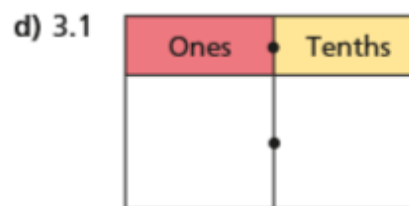
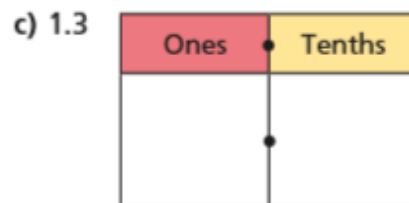
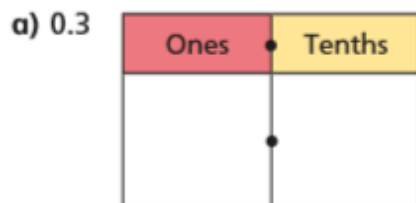
3)

Mo is using a place value chart to represent numbers.

Write each number as a decimal.



4) Draw each place value table in your maths book. Draw counters to represent the numbers.



5)

Continue the pattern.

$\frac{1}{10}$	0.2	3 tenths	$\frac{4}{10}$	0.5
6 tenths				

Do I understand tenths as decimals?

Challenge 2

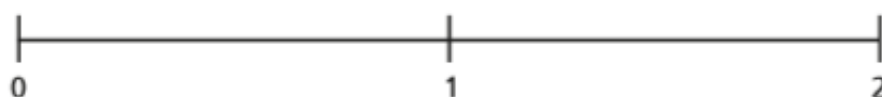
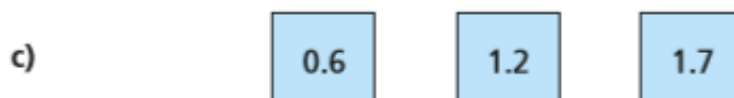
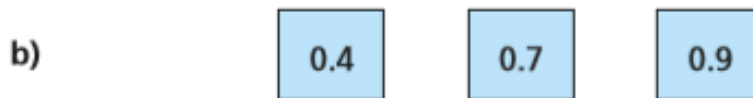
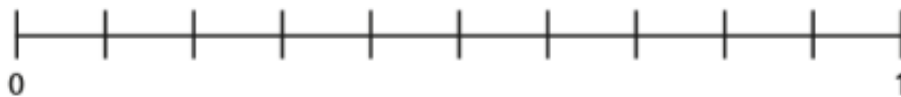
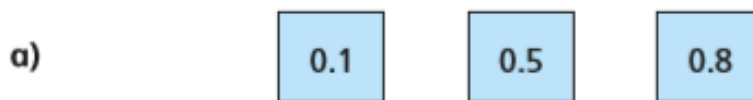
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Questions 1-5 mentioned in the video are the questions in Challenge 1.

1) Draw the number line in your maths book. Which decimal is each arrow pointing to?



2) Draw the number lines in your maths book. Estimate the position of the decimals



3) Write the statements in your maths book and complete.

> (greater than), < (less than), = (equal to)

a)  $0.2 > \frac{\square}{10}$

c)  $\square$  tenths = 0.7

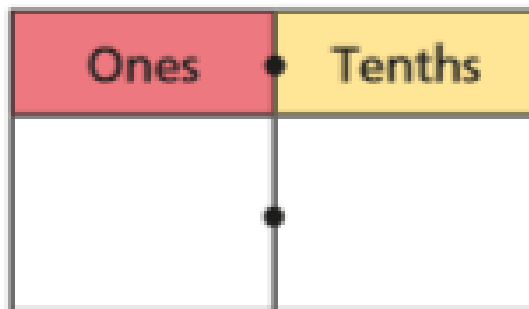
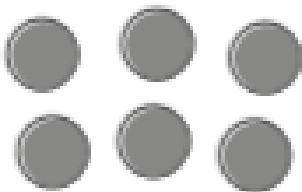
b)  $0.8 < \frac{\square}{10}$

d)  $\square = \frac{12}{10}$

Is there more than one answer for each?

4) Draw or list all of the possible numbers she could represent.

Aisha places 6 counters onto this place value chart.



Do I understand tenths as decimals?

**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) Remember to explain in writing and/or with pictures to explain how you know.

**True or False?**



Dora

10 cm is one tenth of 1 metre

10 cm is 0.1 metres.



Amir

Explain your answer.

2) Draw the number line in your maths book. Remember to explain in writing how you know.

Place the decimals and fractions on the number line.

0.7    $\frac{3}{10}$     $\frac{1}{10}$    0.9    $\frac{10}{10}$



# Tenths as Decimals

## Reasoning and Problem Solving

True or False?



Dora

10 cm is one tenth of 1 metre



Amir

10 cm is 0.1 metres.

Explain your answer.

They are both correct.

$$10 \text{ cm} = \frac{1}{10} \text{ m} = 0.1 \text{ m}$$

Place the decimals and fractions on the number line.

$$0.7 \quad \frac{3}{10} \quad \frac{1}{10} \quad \frac{10}{10} \quad 0.9 \quad \frac{10}{10}$$

