

Class 3 Home Learning, week beginning 27th April 2020

Maths - Year 4

Lesson 2

Tenths as decimals

Please watch the video before starting the work.

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


(This work may feel familiar as we started looking at this in class together on Tuesdays when the year 3s were swimming.)


Can I recognise tenths as decimals?


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!

1) Draw the bar models in your maths book and show the amounts.

Shade the bar models to represent the amounts.





a) 7 tenths 

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

c) 0.3 

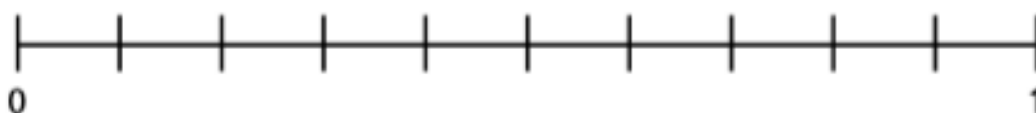
2) Write the answers in your maths book.

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

	Bar model	Fraction	Decimal
a)			
b)			
c)			
d)			

3) Draw the number line in your maths book. 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.



A  or

B  or

C  or

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

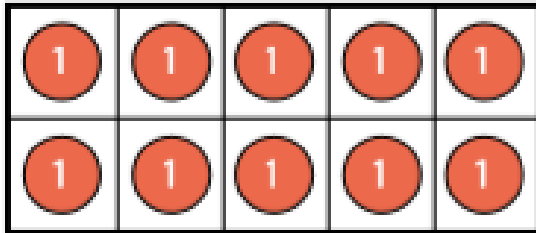
seven tenths

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

a)



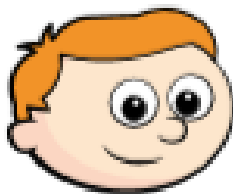
b)



c)



7) Use words and/or pictures to help explain your answer.



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

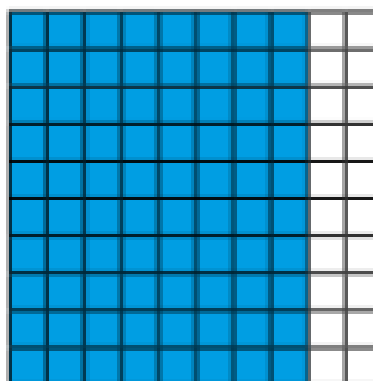
Do you agree with Ron? \_\_\_\_\_

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

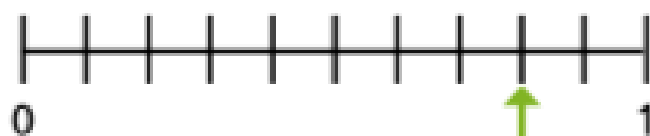
A



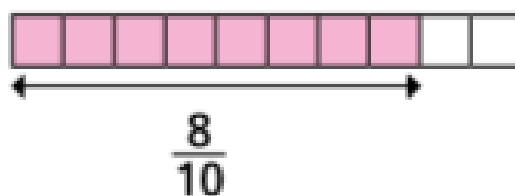
C



B



D



Which do you think is the best representation? \_\_\_\_\_

Discuss your answer with a partner.

Represent six tenths in each different way.

Can I recognise 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) Use words and/or pictures to help explain your answer.

Who is correct?

Annie

1.2 is equivalent to 1 whole and 2 tenths.



Dexter

1.2 is equivalent to 12 tenths.

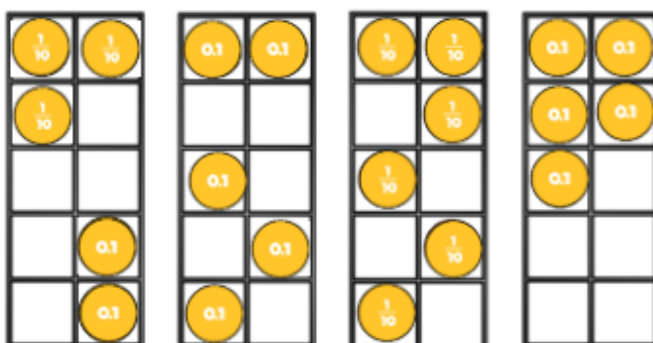
2)

six tens

six tenths

What is the same? What's different?  
Show me.



3) Which ten frame is the odd one out?

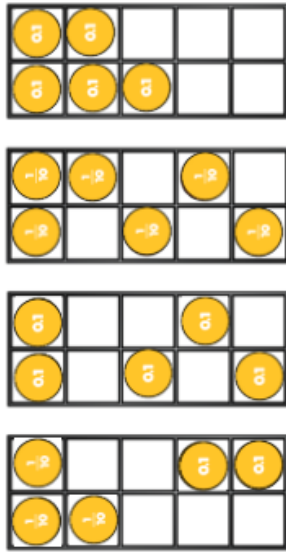
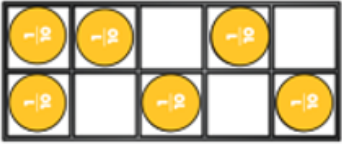


Explain your answer.

# Tenths as Decimals

## Reasoning and Problem Solving

<p>Who is correct?</p> <p>Annie </p> <p>1.2 is equivalent to 1 whole and 2 tenths.</p> <p>Dexter </p> <p>1.2 is equivalent to 12 tenths.</p> <p>Explain why.</p>	<p>Both children are correct.</p> <p>1 whole is equal to 10 tenths so 1.2 is equal to 12 tenths.</p>
<p>six tens</p> <p>six tenths</p> <p>What is the same? What's different? Show me.</p>	<p>Children use concrete and pictorial representations to show the difference.</p>

<p>Which ten frame is the odd one out?</p>  <p>Explain your answer.</p>	<p>Three of the ten frames represent 0.5</p>  <p>This ten frame is the odd one out because it represents 6 tenths not 5 tenths.</p>
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