

Class 3 Home Learning, week beginning 4th May 2020

## Maths - Year 4

### Week 2, Lesson 2

#### Hundredths

Please watch the video before choosing your challenge.

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

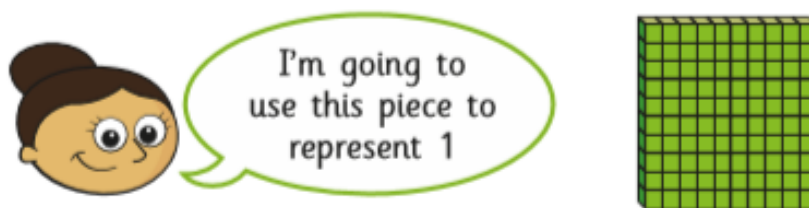
Can I recognise hundredths?

### 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 1-4 mentioned in the video are questions 1-4 in Challenge 1.

1) Please write the fractions in your maths book.



What is the value of each of these pieces?  
Give your answer as a fraction.

a)



b)



2) Please write the fractions and symbols in your maths book; you do not need to draw the pictures.

Write  $<$ ,  $>$  or  $=$  to compare the fractions.

a)  $\frac{1}{10}$    $\frac{9}{100}$



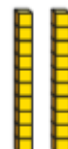
c)  $\frac{1}{10}$    $\frac{20}{100}$



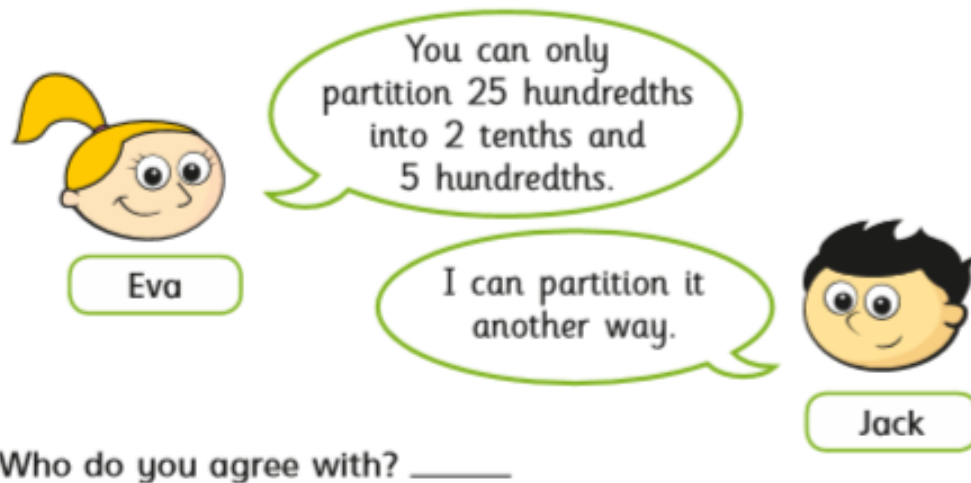
b)  $\frac{1}{10}$    $\frac{12}{100}$



d)  $\frac{2}{10}$    $\frac{20}{100}$



3) Please do your best to explain in writing why. Pictures or part-whole models may help!



4) Copy and complete.

a)  $\frac{3}{10} = \frac{\boxed{\phantom{000}}}{100}$

d)  $\frac{20}{100} = \frac{\boxed{\phantom{000}}}{10}$

b)  $\frac{7}{10} = \frac{\boxed{\phantom{000}}}{100}$

e)  $\frac{27}{100} = \frac{\boxed{\phantom{000}}}{10} + \frac{\boxed{\phantom{000}}}{100}$

c)  $\frac{80}{100} = \frac{\boxed{\phantom{000}}}{10}$

f)  $\frac{67}{100} = \frac{\boxed{\phantom{000}}}{10} + \frac{\boxed{\phantom{000}}}{100}$

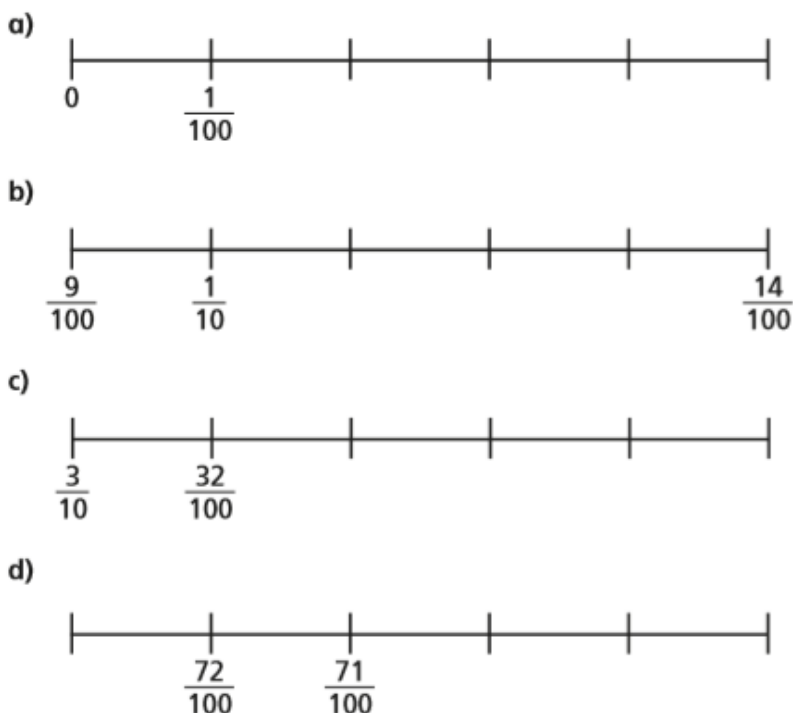
Can I recognise hundredths?

## 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 5-7 mentioned in the video are questions 1-3 in Challenge 2.

1) Copy and complete the number lines using fractions.



2) Can you explain Annie's method? Watch the part of the video which shows a bead string to help.

Amir is counting 67 hundredths on a bead string.



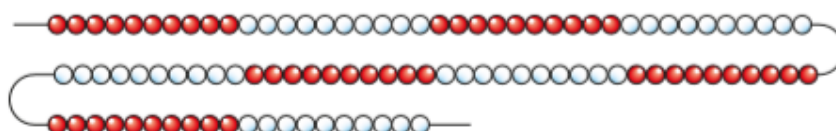
Amir

This will take a long time, because I have to count 67 beads.



Annie

You can do it faster by using tenths as well.

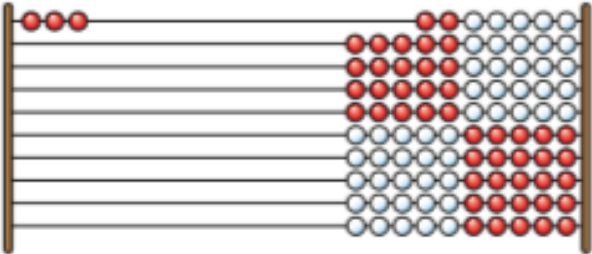
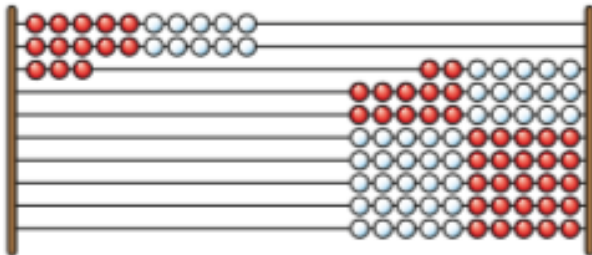
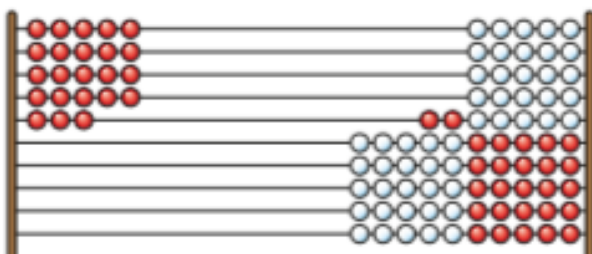
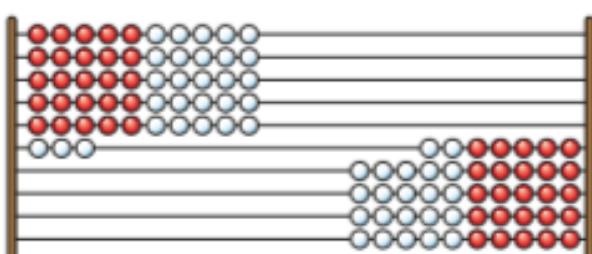


3)

These are Rekenreks made from 100 beads.

Each Rekenrek represents one whole.

Write the fraction represented on the left and on the right.

		left	right
a)		<input type="text"/>	<input type="text"/>
b)		<input type="text"/>	<input type="text"/>
c)		<input type="text"/>	<input type="text"/>
d)		<input type="text"/>	<input type="text"/>

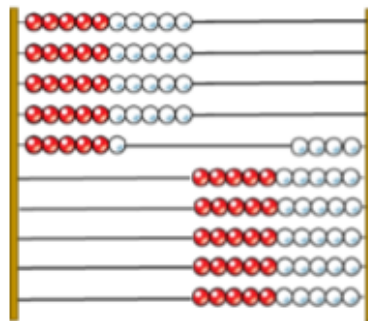
Can I recognise hundredths?

### Reasoning and problem solving

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) Here is a Rekenrek made from 100 beads.

If the Rekenrek represents one whole, what fractions have been made on the left and on the right?



Can you partition both of the fractions into tenths and hundredths?

- 2) Complete the statements.

3 tenths and 2 hundredths = 2 tenths and  hundredths

14 hundredths and 3 tenths = 4 tenths and  hundredths

5 tenths and 1 hundredth < 5 tenths and  hundredths

5 tenths and 1 hundredth >  tenths and 5 hundredths

Can you list all the possibilities?

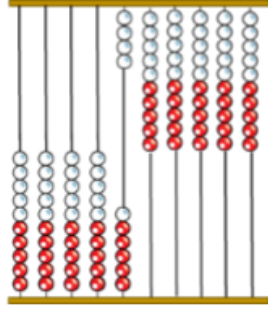
Answers are on the next page.

# Hundredths

## Reasoning and Problem Solving

Here is a Rekenrek made from 100 beads.

If the Rekenrek represents one whole, what fractions have been made on the left and on the right?



Can you partition both of the fractions into tenths and hundredths?

On the left, there are 46 hundredths, this is equivalent to 4 tenths and 6 hundredths.

On the right, there are 54 hundredths, this is equivalent to 5 tenths and 4 hundredths.

Children could also explore hundredths using a 100 bead string.

Complete the statements.

3 tenths and 2 hundredths = 2 tenths and  hundredths

14 hundredths and 3 tenths = 4 tenths and  hundredths

5 tenths and 1 hundredth < 5 tenths and  hundredths

5 tenths and 1 hundredth >  tenths and 5 hundredths

Can you list all the possibilities?

12

4

Anything more than 1

0, 1, 2, 3 or 4