Class 3 Home Learning, week beginning 4th May 2020

Maths - Year 4

Week 2, Lesson 3
Hundredths as decimals

Please watch the video before choosing your challenge.

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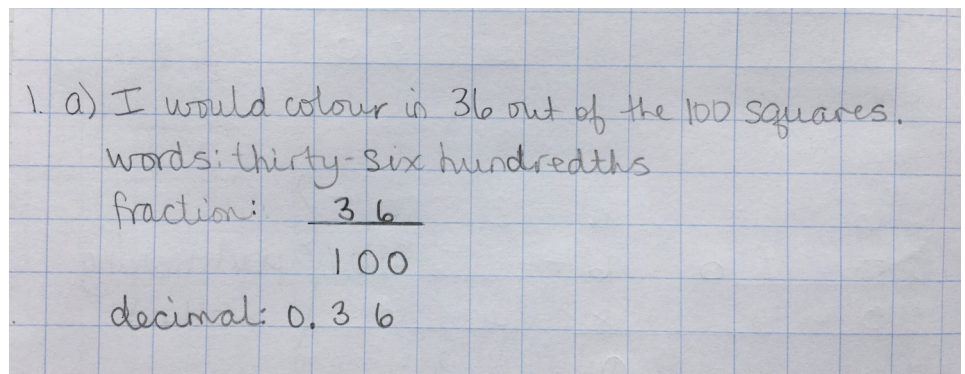and problem solving too?

Can I recognise hundredths 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 1-4 mentioned in the video are questions 1-4 in Challenge 1.

1) For this question, I do not expect you to draw hundred squares (unless you really want to!). Instead, you could write how many squares, rows or columns on the hundred square you would colour in. I have done the first question for you:

1. a) I would colour in 36 out of the 100 squares.
words: thirty-six hundredths
fraction: $\frac{36}{100}$
decimal: 0.36

	Hundred square	Words	Fraction	Decimal
a)		thirty-six hundredths		
b)			$\frac{82}{100}$	
c)				0.27
d)				
e)		seven tenths		
f)				0.3

2) Draw decimal place value counters in your maths book to represent the numbers.
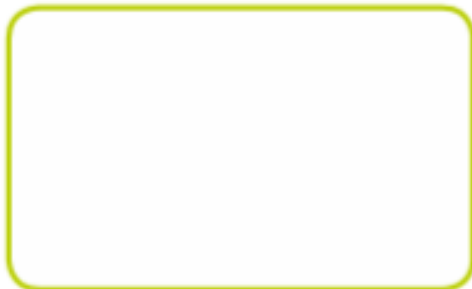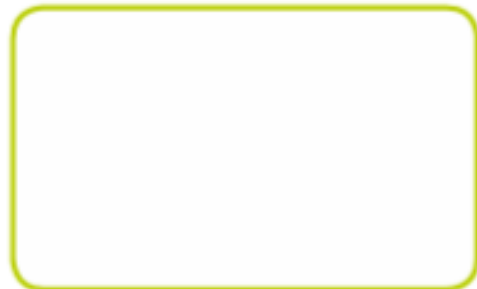
a) 0.03

c) 0.63

b) 0.6

d) 0.36

3) Draw the decimal place value counters in your maths book and write the decimal number beside them.
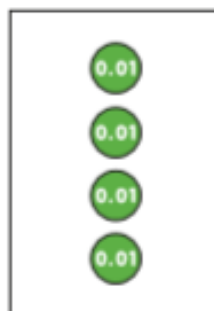
The counters represent tenths and hundredths.

a) Match the decimals to the groups of counters.

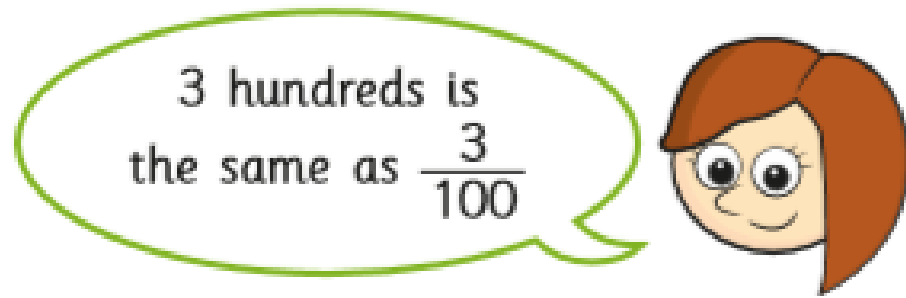| 0.04 | 0.4 | 0.14 | 0.41 |

b) Write each decimal as a fraction.

0.04 = ⬜   0.4 = ⬜   0.14 = ⬜   0.41 = ⬜

4) Remember to explain your answer in writing.

Hint: think of the difference between hundreds and hundredths.

3 hundreds is the same as $\frac{3}{100}$

Is Rosie correct? _____

Explain your answer.

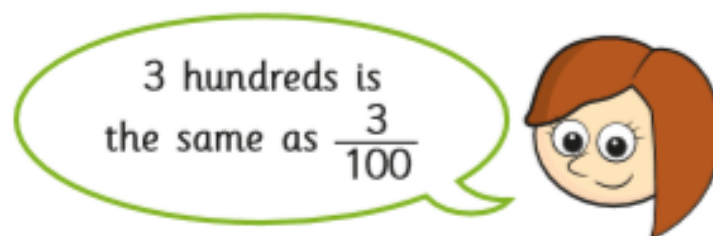Can I recognise hundredths as decimals?   Challenge 2

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

Questions 4-7 mentioned in the video are questions 1-4 in this challenge.

1) Remember to explain your answer in writing.

Hint: think of the difference between hundreds and hundredths.

3 hundreds is the same as $\frac{3}{100}$
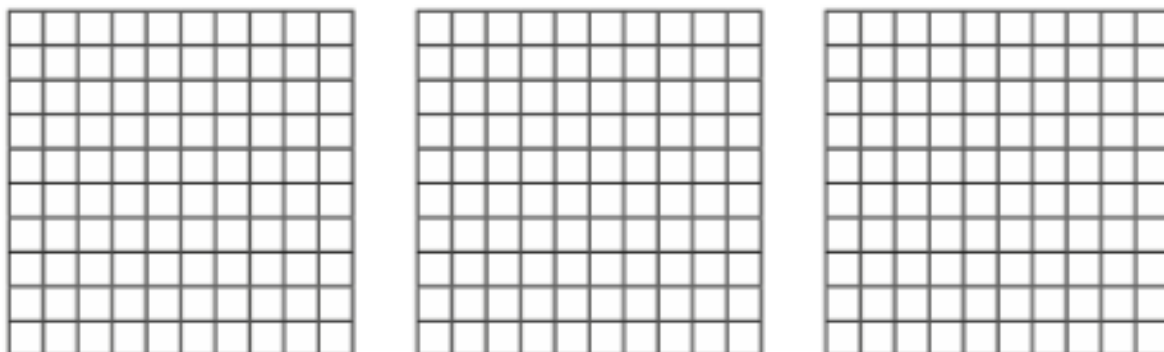
Is Rosie correct? _____

Explain your answer.

2) Please write the answers in your maths book.
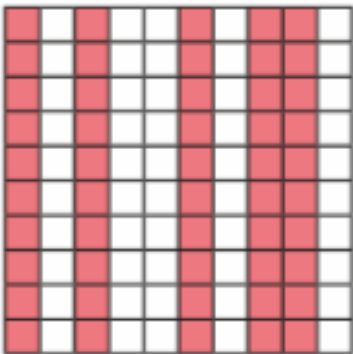
Match the decimals to the descriptions.

Some of the numbers can be described in two ways.

Decimals	Descriptions
1.3	one tenth and three hundredths
	thirty hundredths
0.03	one and three tenths
	thirteen tenths
0.3	thirteen hundredths
	three tenths
0.13	three hundredths

3) Have a chat with an adult or a sibling about how you could shade the hundred squares to represent 12 hundredths in three different ways. Does it matter if the squares you shade are together?

4) Remember to explain in writing, please!

0.6 of the hundred square is shaded.

Dora

6 tenths of the hundred square is shaded.

Ron

0.60 of the hundred square is shaded.

Whitney

60 hundredths of the hundred square is shaded.

Jack

Who do you agree with? _____

Explain why.

Can I recognise hundredths as decimals?

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 and to explain in writing how you know! A place value grid may help you with the first question.
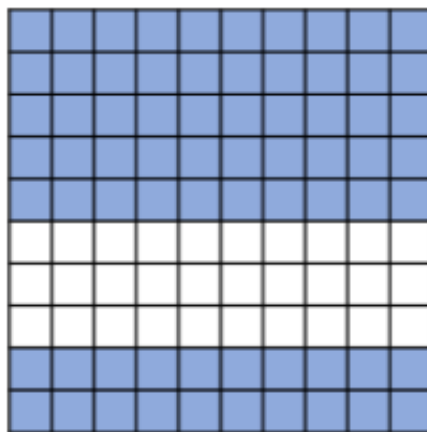
1)   Dora says,

17 hundredths is the same as 1,700

Is she correct?
Explain your answer.

2)   Alex and Eva have been asked to write the decimal shaded on the 100 grid.

Alex says the grid shows 0.70

Eva says the grid shows 0.7

Who do you agree with?

Explain your answer.

Reasoning and Problem Solving
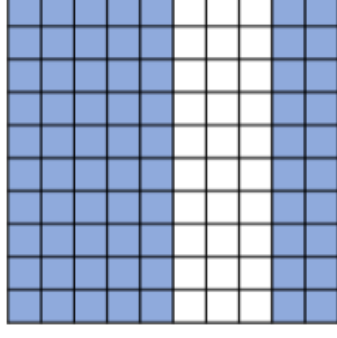
Dora says,

> 17 hundredths is the same as 1,700

Is she correct?
Explain your answer.

Dora is wrong as she has mistaken hundredths for hundreds.

Alex and Eva have been asked to write the decimal shaded on the 100 grid.

Alex says the grid shows 0.70

Eva says the grid shows 0.7

Who do you agree with?

Explain your answer.

They are both correct.
The grid shows 70 hundredths or 7 tenths and this is what Alex and Eva have given as their answers.
In Alex's answer the 0 in the hundredths column isn't needed as it is not a place holder and doesn't change the value of the number.