Class 3 Home Learning, week beginning 4th May 2020

Maths - Year 4

Week 2, Lesson 4
Hundredths on a place value grid

Please watch the video before choosing your challenge.

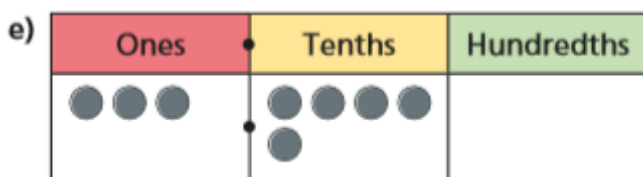Why not have a go at the reasoning
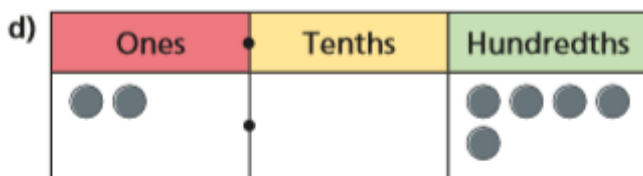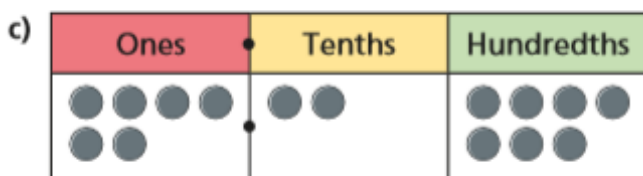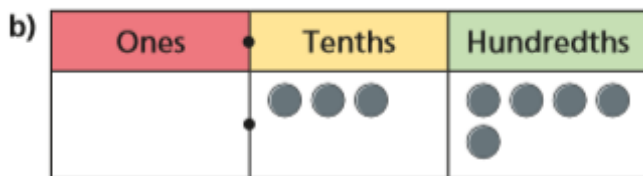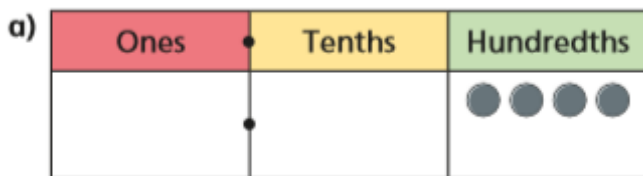and problem solving too?

Can I read and represent 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 1-3 mentioned in the video are questions 1-3 in Challenge 1.

1) In your maths book, write the decimal that is represented in each place value chart.
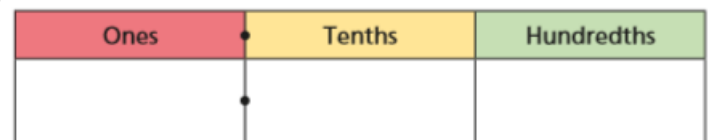
a)
Ones	Tenths	Hundredths
		●●●●

b)
Ones	Tenths	Hundredths
	●●●	●●●● ●

c)
Ones	Tenths	Hundredths
●●●● ●●	●●	●●●● ●●●

d)
Ones	Tenths	Hundredths
●●		●●●● ●

e)
Ones	Tenths	Hundredths
●●●	●●●● ●	

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

a) 0.06
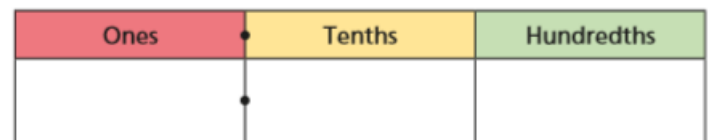| Ones	Tenths	Hundredths

b) 0.24
Ones	Tenths	Hundredths

c) 1.72
Ones	Tenths	Hundredths
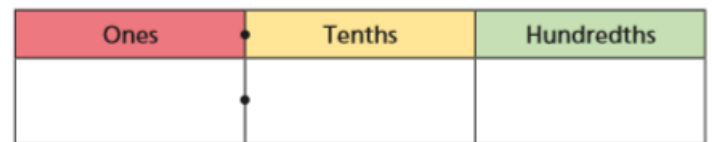
d) 3.08
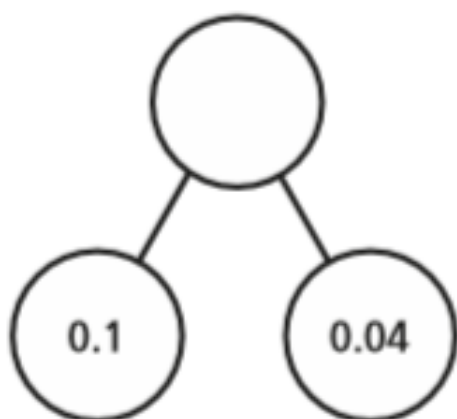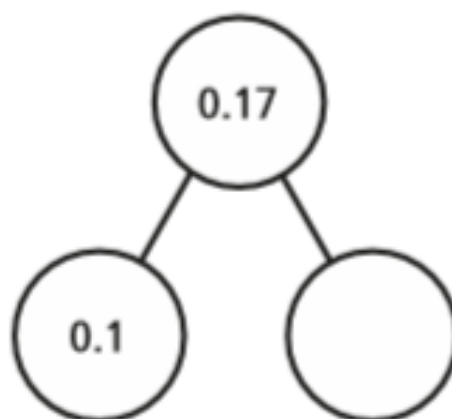| Ones	Tenths	Hundredths
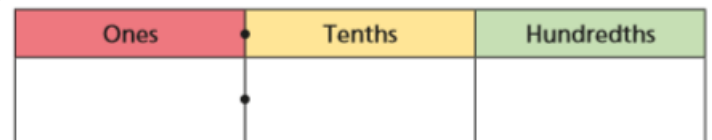
3) Copy and complete.
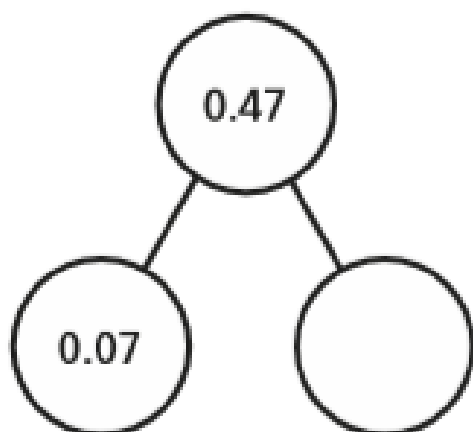
a)
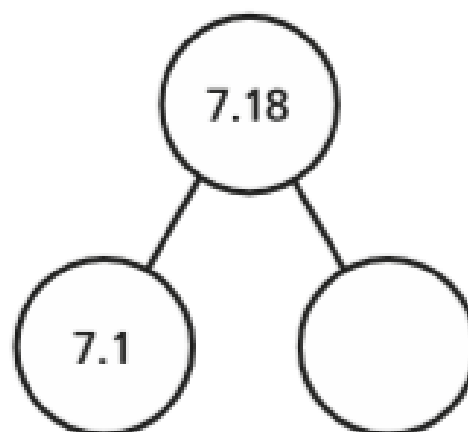

b)
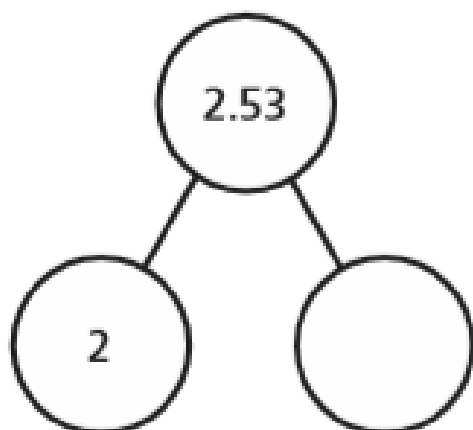

c)
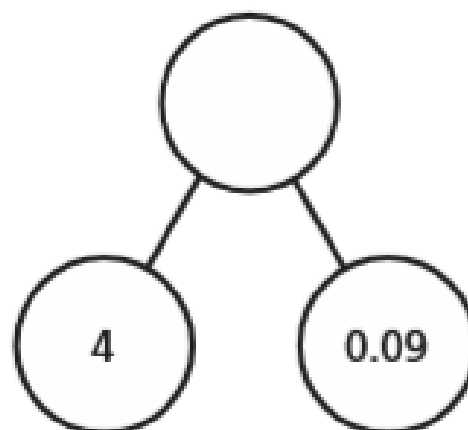

e)

d)

f)

Can I read and represent 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 1-3 mentioned in the video are questions 1-3 in Challenge 1.
>
> Questions 4-6 are questions 1-3 in this challenge.

1) Copy and complete.

    a) 2 tenths can be exchanged for ☐ hundredths.

    b) 7 tenths can be exchanged for ☐ hundredths.

    c) 7 tenths and 4 hundredths is equivalent to ☐ hundredths.

    d) ☐ tenths and ☐ hundredths is equivalent to 26 hundredths.

2) Copy and complete.

a)

```
        0.83
       /    \
   (   )    0.13
```

b)

```
        0.67
       /    \
     0.5    (   )
```

c)

```
        2.83
       /    \
   (   )    0.13
```

d)

```
        4.72
       /    \
    3.02    (   )
```

3)

Whitney, Tommy, Esther and Dexter each have the same three digit cards and a place value chart.

Ones	Tenths	Hundredths

0	3	6

When they put the cards in the chart with one in each space, they each make a different number.

Use the clues to work out each person's number and write it on their place value chart.

- Dexter makes the greatest number possible.
- Tommy makes the number closest to four.
- Esther and Whitney choose the two numbers closest together (Esther makes the slightly greater number).

Dexter

Ones	Tenths	Hundredths

Tommy

Ones	Tenths	Hundredths

Whitney

Ones	Tenths	Hundredths

Esther

Ones	Tenths	Hundredths

Can I read and represent 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!
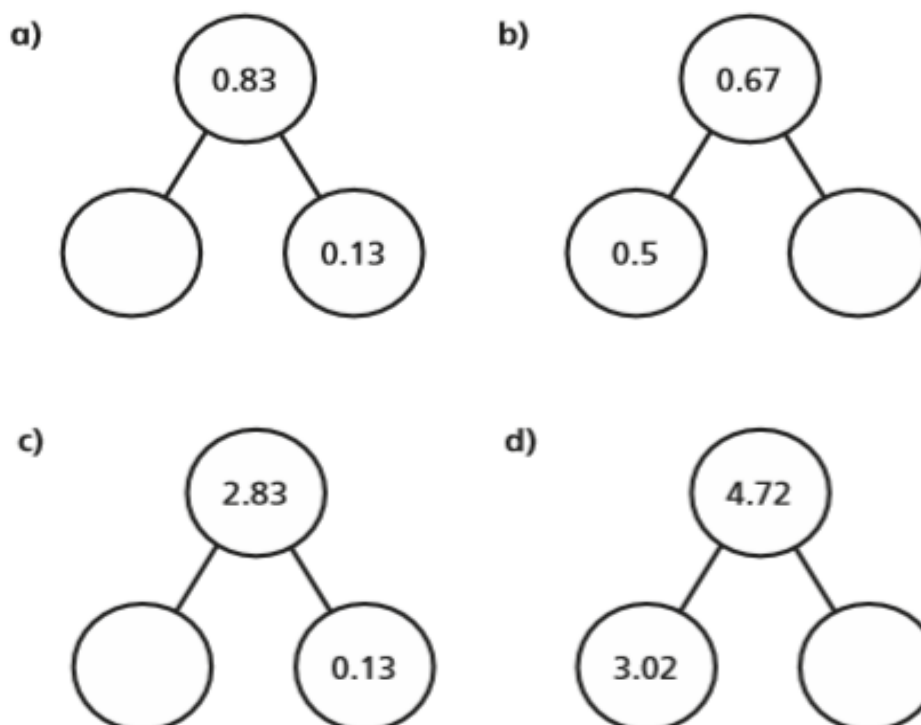
1) Use four counters and a place value grid. Place all four counters in either the ones, tenths or hundredths column.

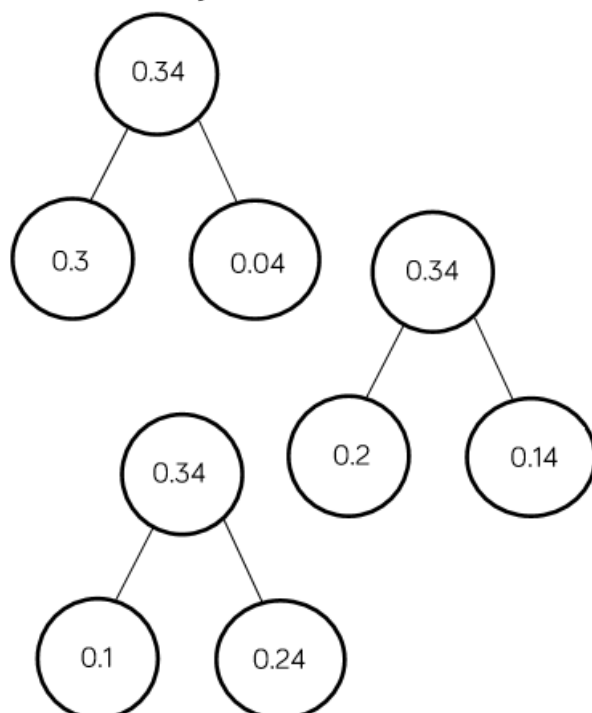| Ones	• Tenths	Hundredths

How many different numbers can you make?

Describe the numbers you have made by completing the sentences.

There are ☐ ones, ☐ tenths and ☐ hundredths.

☐ ones + ☐ tenths + ☐ hundredths = ☐

2) Ron says he can partition 0.34 in more than one way.

0.34
├ 0.3
└ 0.04

0.34
├ 0.2
└ 0.14

0.34
├ 0.1
└ 0.24

Use Ron's method to partition 0.45 in more than one way.

Reasoning and Problem Solving

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

How many different numbers can you make?

Describe the numbers you have made by completing the sentences.

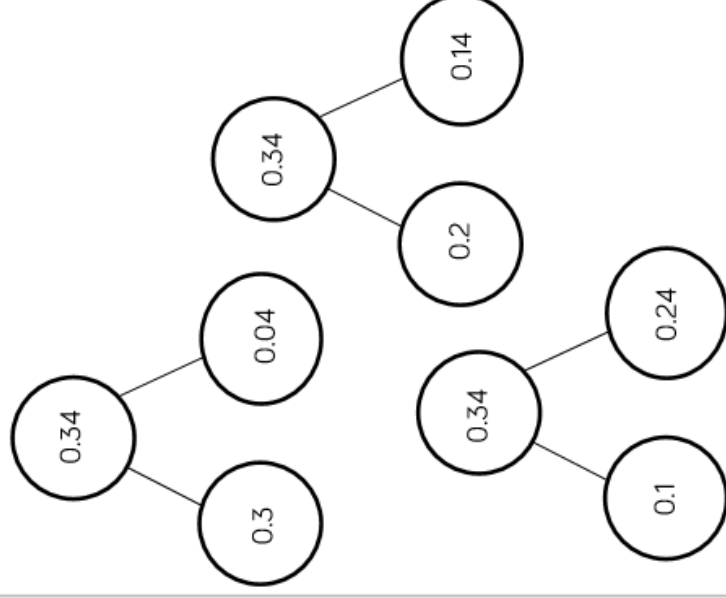There are ☐ ones, ☐ tenths and ☐ hundredths.

☐ ones + ☐ tenths + ☐ hundredths = ☐

Children can either make:

4, 3.1, 3.01, 2.2, 2.11, 2.02, 1.3, 1.21, 1.12, 1.03, 0.4, 0.31, 0.22, 0.13, 0.04

e.g. There are 2 ones, 0 tenths and 2 hundredths.

2 ones + 0 tenths + 2 hundredths = 2.02

Ron says he can partition 0.34 in more than one way.

Use Ron's method to partition 0.45 in more than one way.

Children may partition 0.45 into:

0 tenths and 45 hundredths

1 tenth and 35 hundredths

2 tenths and 25 hundredths

3 tenths and 15 hundredths

4 tenths and 5 hundredths

Other ways of partitioning are possible.