

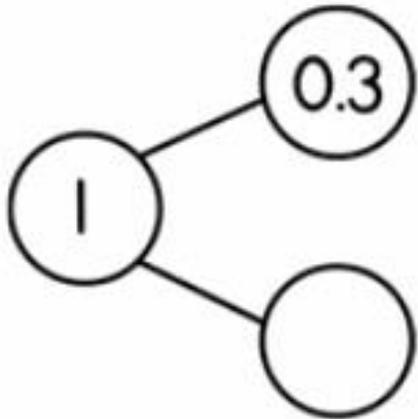
Year 4 Maths, 21st April
2020

LO: Write decimals

- ▶ **SOME WILL EVEN** use clues containing varied maths vocabulary to identify decimal numbers
- ▶ **SOME** will find more than one way of partitioning a number with 2 decimal places
- ▶ **MOST** will complete part / whole models with decimal numbers
- ▶ **ALL** will write decimal numbers

RECALL

- 1) Complete the part-whole model.

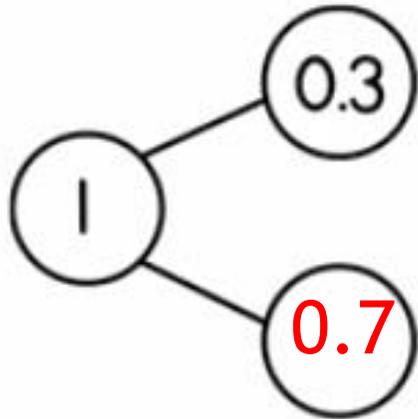


- 2) Write $\frac{17}{100}$ as a decimal.

- 3) How many tenths are equivalent to $\frac{90}{100}$?

RECALL answers

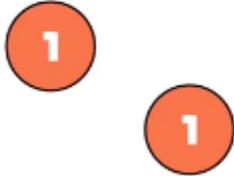
- 1) Complete the part-whole model.



- 2) Write $\frac{17}{100}$ as a decimal. **0.17**

- 3) How many tenths are equivalent to $\frac{90}{100}$? **Nine tenths / 0.9**

Guided practice

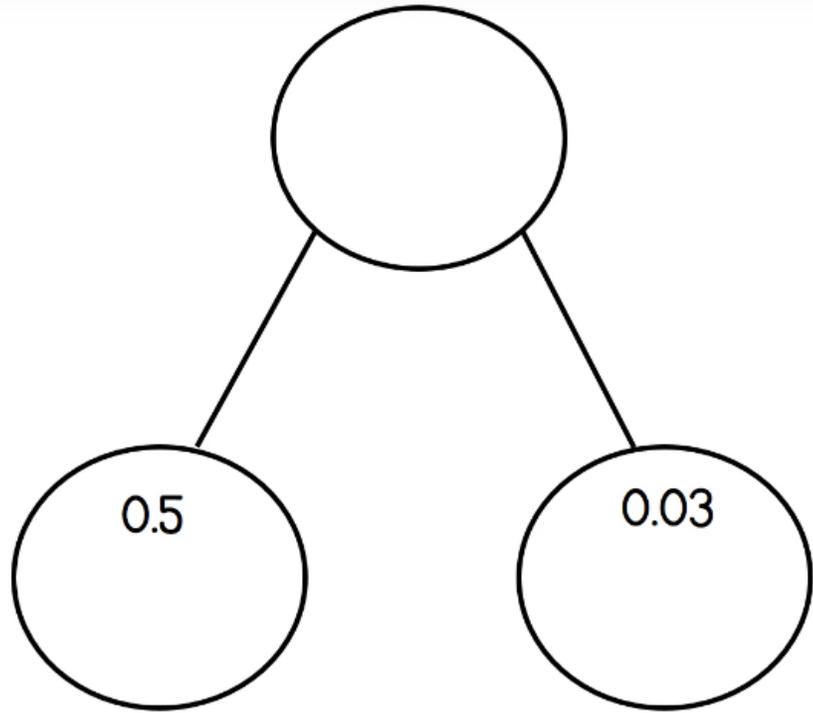
Ones	Tenths	Hundredths
		

What number is represented here?

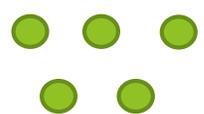
All we have to do is write a digit in each place value column.

2 . 0 1

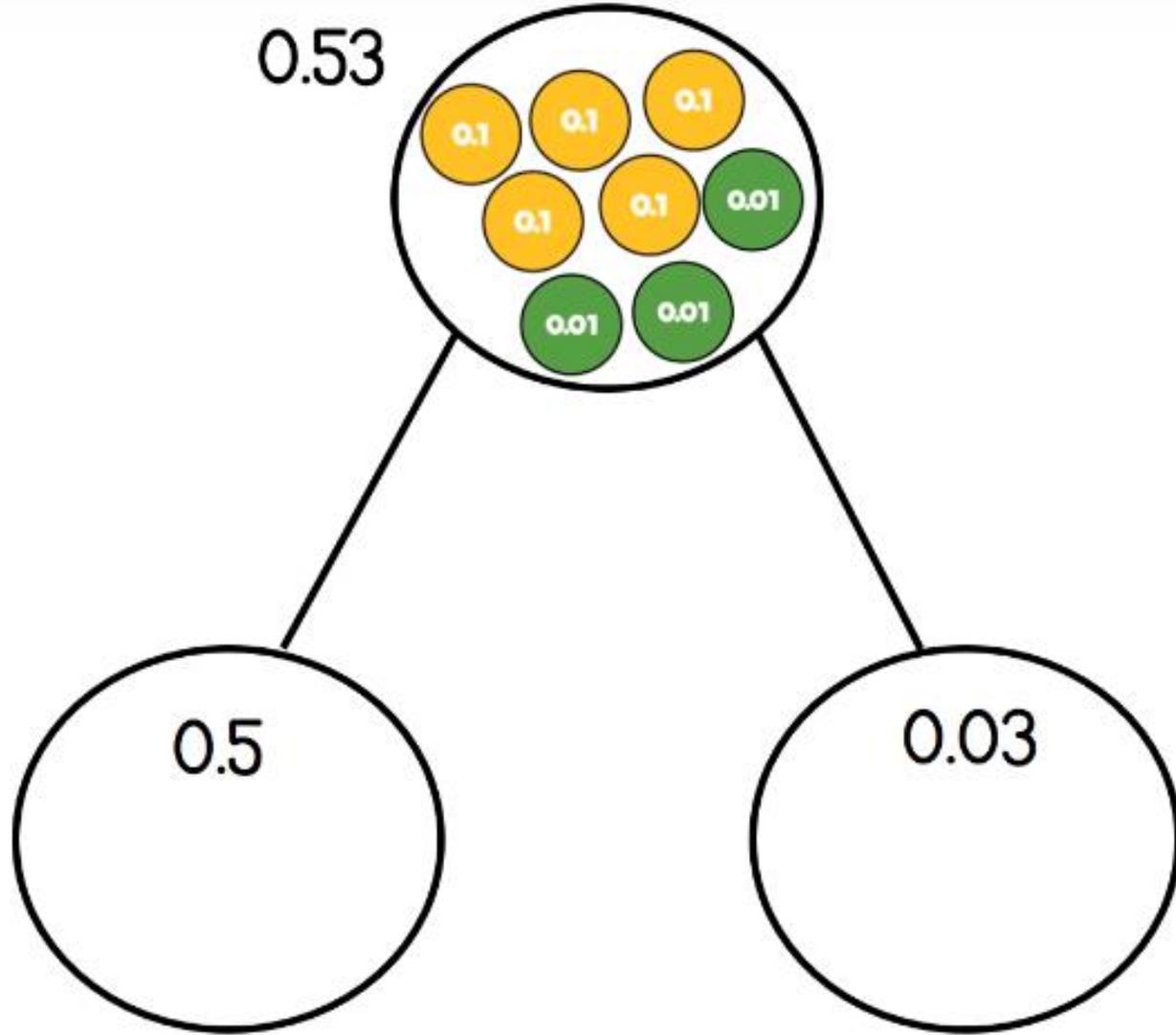
It's really important that we put a zero in the tenths column to show that it is empty.



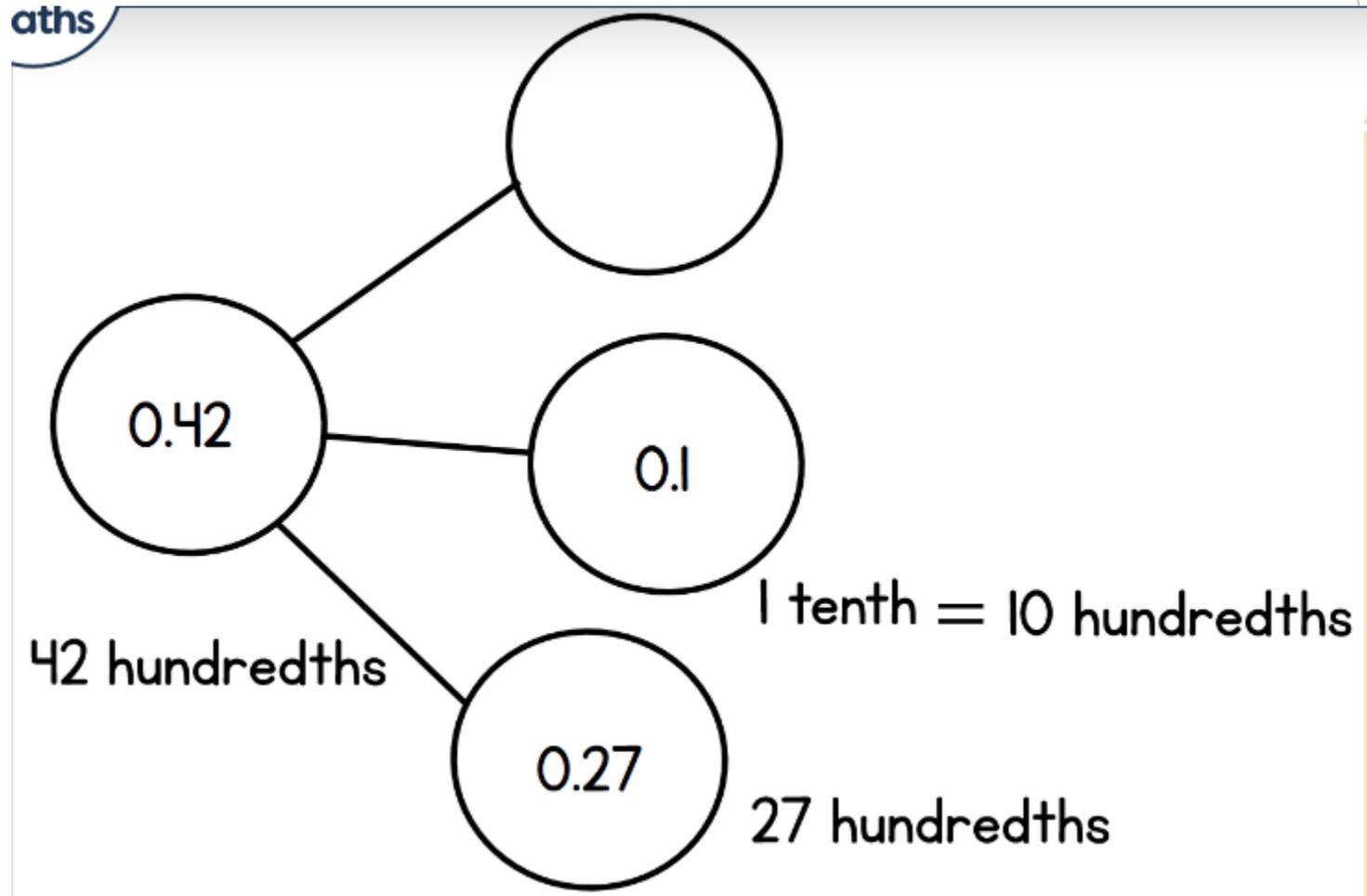
To find the whole from these parts, we need to add 5 tenths and 3 hundredths.

Ones	Tenths	Hundredths
		

What decimal number have we made?

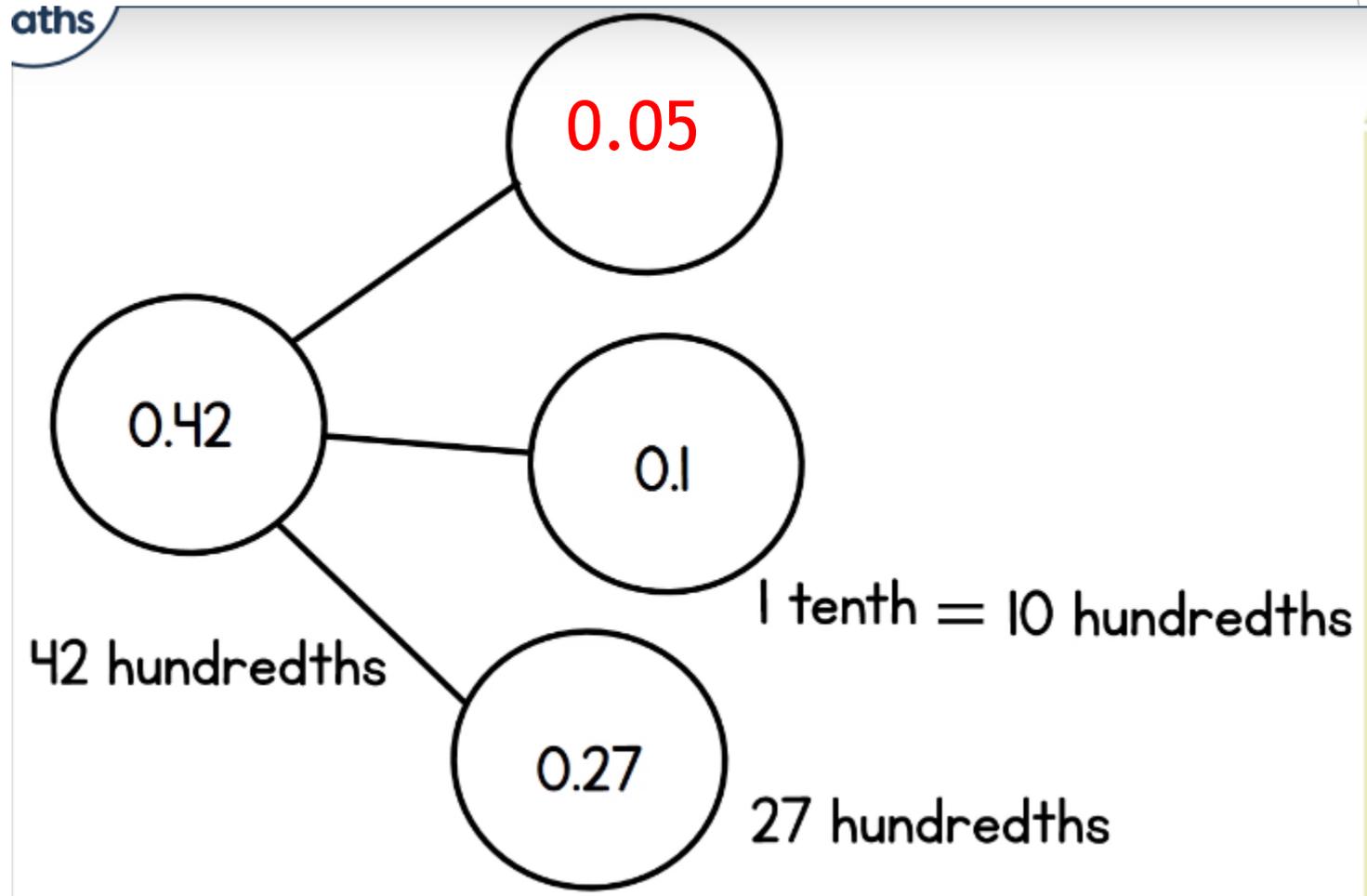


- ▶ This one's a bit trickier:



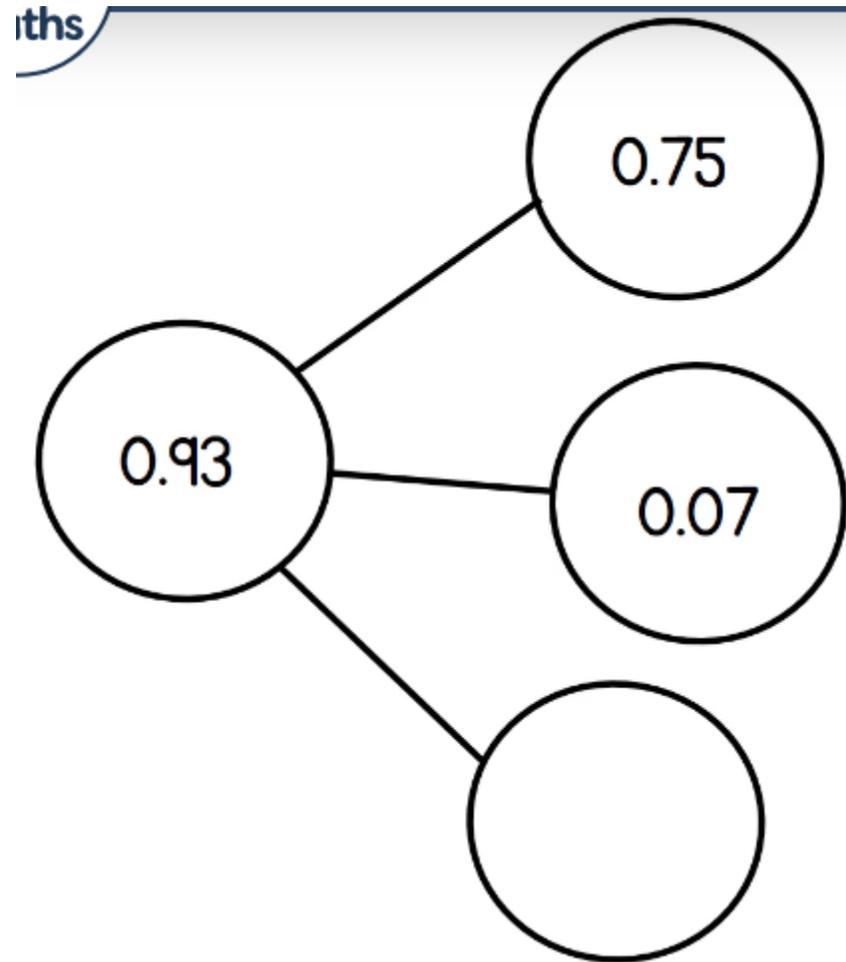
27 hundredths + 10 hundredths + _____ hundredths = 42 hundredths

- ▶ This one's a bit trickier:

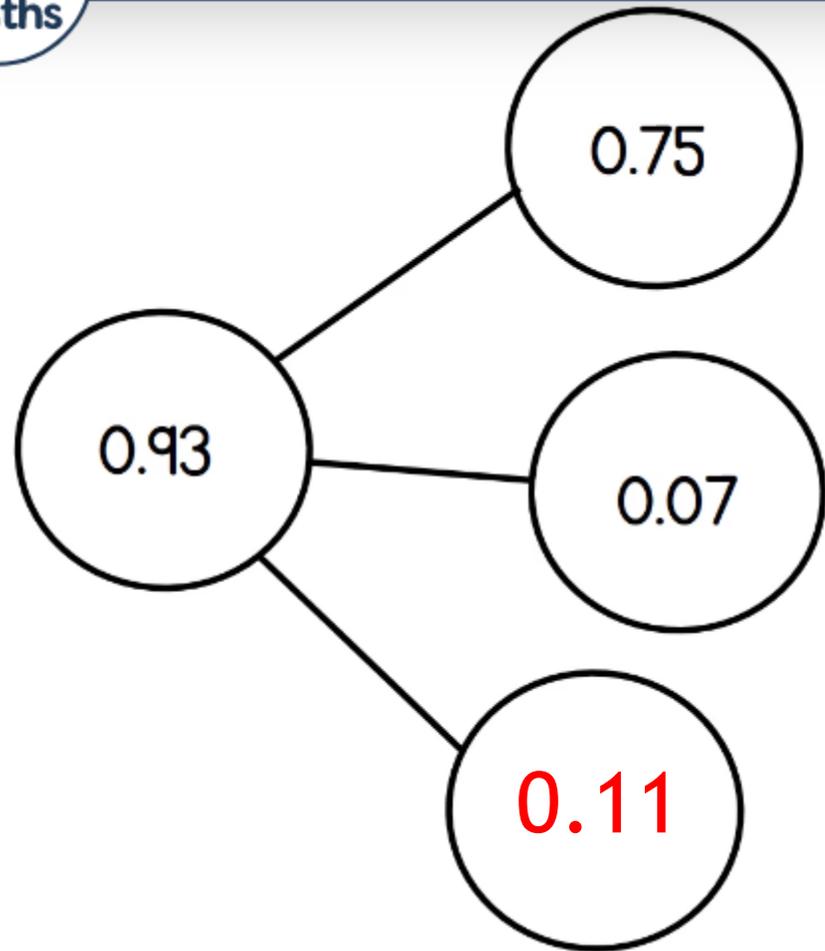


$$27 \text{ hundredths} + 10 \text{ hundredths} + 5 \text{ hundredths} = 42 \text{ hundredths}$$

► Try this one:



iths



$$0.75 + 0.07 + 0.11 = 0.93$$

Intelligent practice

ONE CHILLI

Make the number represented on each of the place value charts.
 Complete the sentences to describe each number.

a)

Ones	Tenths	Hundredths
1 1 1	0.1 0.1	0.01 0.01 0.01 0.01 0.01

There are ones,
 tenths and
 hundredths.

The number is

b)

Ones	Tenths	Hundredths
	0.1 0.1 0.1 0.1 0.1	0.01 0.01 0.01 0.01 0.01

There are ones,
 tenths and
 hundredths.

The number is

c)

Ones	Tenths	Hundredths
1 1 1		0.01 0.01 0.01 0.01 0.01 0.01 0.01

There are ones,
 tenths and
 hundredths.

The number is

d)

Ones	Tenths	Hundredths
1 1 1	0.1 0.1 0.1 0.1 0.1 0.1 0.1	

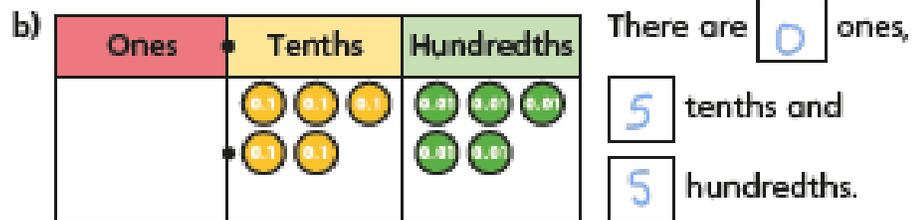
There are ones,
 tenths and
 hundredths.

The number is

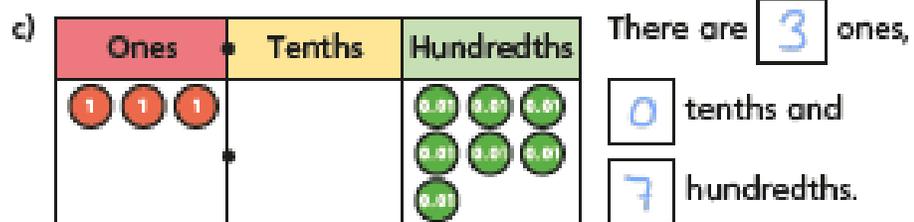
One chilli answers



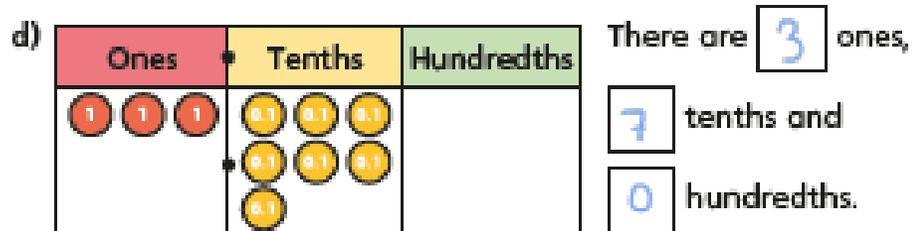
The number is



The number is



The number is

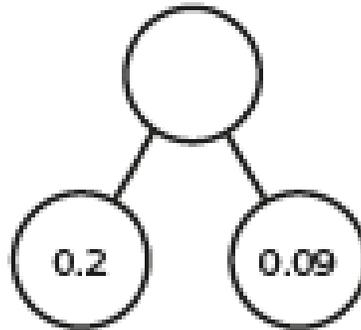


The number is

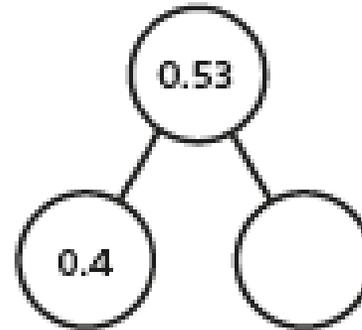
Two chillies

Complete the part-whole models.

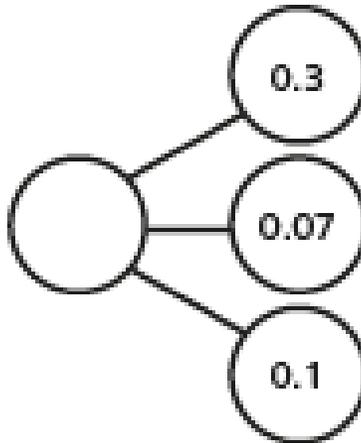
a)



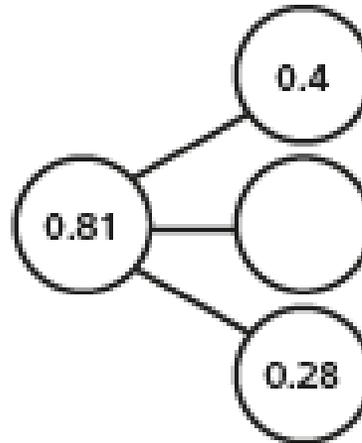
c)



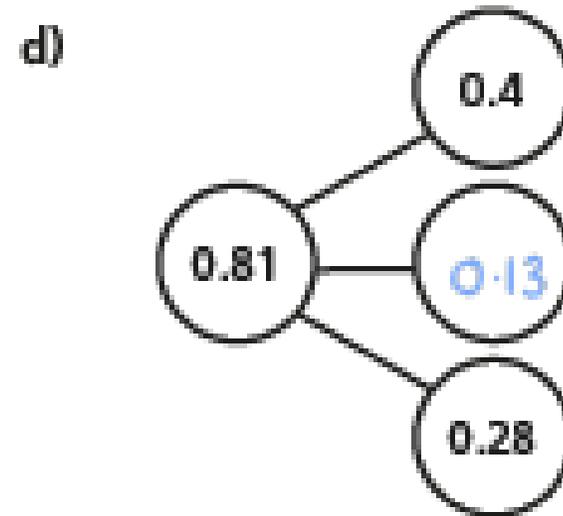
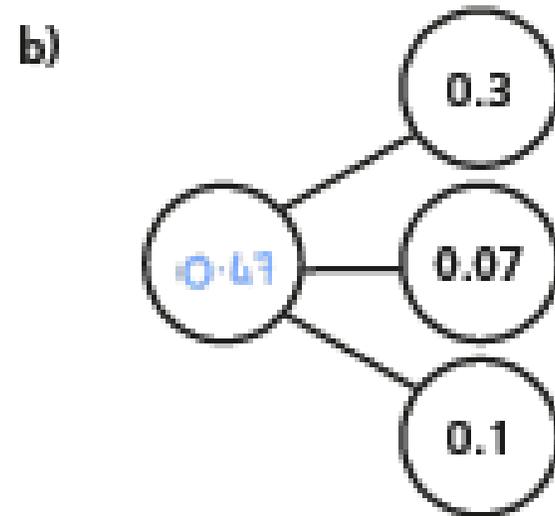
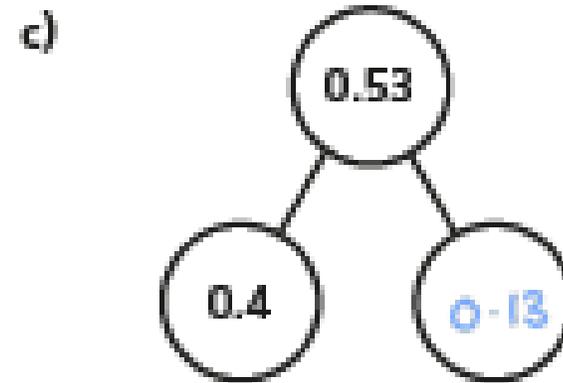
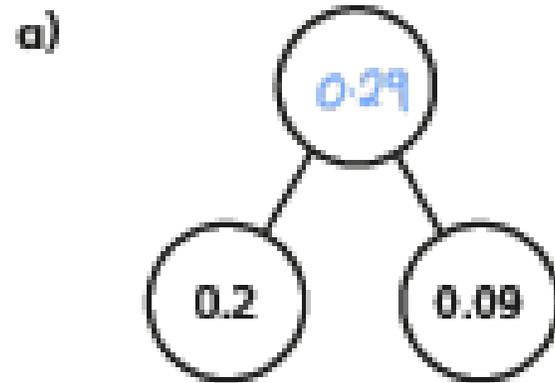
b)



d)



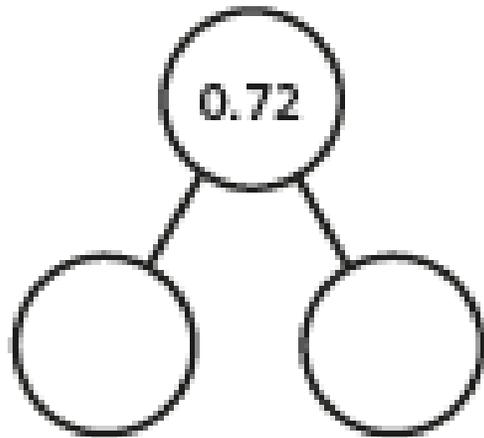
Two chillies answers



Three chillies

Here is a part-whole model.

Partition 0.72 in three different ways and complete the number sentences.



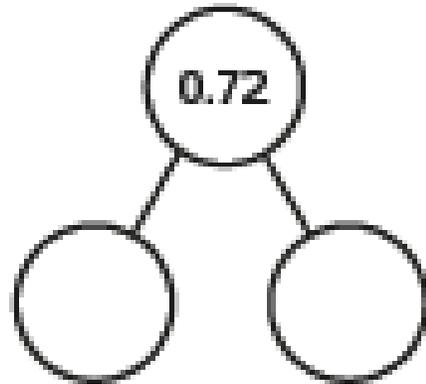
$$\square + \square = 0.72$$

$$\square + \square = 0.72$$

$$\square + \square = 0.72$$

Three chillies answers

Partition 0.72 in three different ways and complete the number sentences.



e.g.

$$\boxed{0.7} + \boxed{0.02} = 0.72$$

$$\boxed{0.6} + \boxed{0.12} = 0.72$$

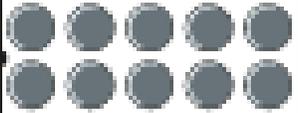
$$\boxed{0.5} + \boxed{0.22} = 0.72$$

You can check your answers by doing column addition.

DIVE DEEPER 1

Eva is asked to show 10 tenths on a place value chart.

Here is her answer.

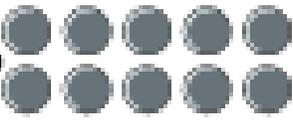
Ones	Tenths	Hundredths
		

Is Eva correct?

DIVE DEEPER 1 answer

Eva is asked to show 10 tenths on a place value chart.

Here is her answer.

Ones	Tenths	Hundredths
		

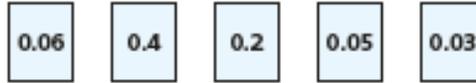
Is Eva correct?

Eva is not correct! The most counters that can go in any column is 9. Instead of putting ten counters in a column, you put one counter in the column to the left. So 10 tenths is the same as one whole.

DIVE DEEPER 2

Here are five number cards.

Annie, Rosie, Jack, Dora and Whitney take one card each.



Use the clues to work out which number they each have.

My number has 5 hundredths.

My number is twice as much as Dora's.

My number has 2 zero place holders.

My number is more than Jack's.

My number is less than Jack's.

Annie

Rosie

Jack

Whitney

Dora

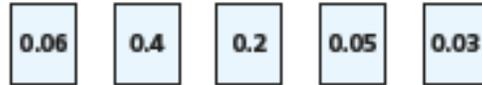
Annie	<input type="text"/>	Dora	<input type="text"/>	Whitney	<input type="text"/>
Rosie	<input type="text"/>	Jack	<input type="text"/>		

DIVE DEEPER 2

ANSWERS

Here are five number cards.

Annie, Rosie, Jack, Dora and Whitney take one card each.



Use the clues to work out which number they each have.

My number has 5 hundredths.

My number is twice as much as Dora's.

My number has 2 zero place holders.

My number is more than Jack's.

My number is less than Jack's.

Annie

Rosie

Jack

Dora

Whitney

Annie	0.05	Dora	0.2	Whitney	0.03
Rosie	0.4	Jack	0.06		

- ▶ **Self assessment: how did you do?**
- ▶ **SOME WILL EVEN** use clues containing varied maths vocabulary to identify decimal numbers
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