

Homework due in Wednesday 11th February

In maths, we have been learning about decimals. For your homework, I would like you to practice with numbers with up to 2 decimal places. There are three levels of challenge. Aim to spend about 30 minutes on this.

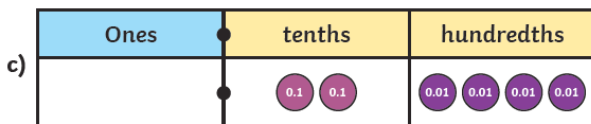
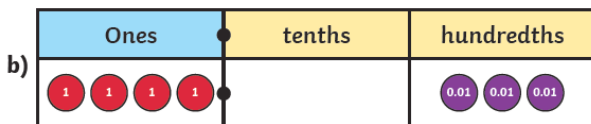
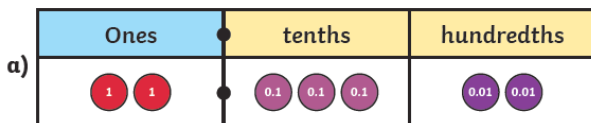
- 1) Copy and complete these sentences to describe the number represented in each place value chart.

There are ____ ones.

There are ____ tenths.

There are ____ hundredths.

The number ____ is represented.



- 2) What is the value of the underlined digit in each number?
For example: 2.48 = 4 tenths

a) 16.2

b) 53.07

c) 6.02

d) 243.6

3) a) $4.32 = 4 + \underline{\quad} + 0.02$

b) $7.13 = 7 + 0.1 + \underline{\quad}$

c) $\underline{\quad} = 6 + 0.9 + 0.01$

d) $8.04 = 8 + \underline{\quad}$

Zeke thinks of a number.



My number has 4 tenths.
The tenths digit is greater than the hundredths digit.

Zeke

Which of these cannot be Zeke's number?
Explain why.

A

32.44

B

43.41

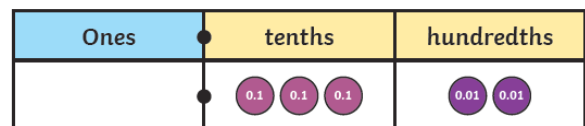
C

21.31

D

54.42

Elena's statement is incorrect. Explain her error.



The number shown on this place value chart is zero point thirty-two.

Elena

These clues describe a mystery decimal number with two decimal places.

- It has 3 tens.
- It has fewer ones than tens.
- It has an even number of tenths.
- It has more hundredths than tenths.

Find five possibilities for the mystery number.