

Challenge 1



John is thinking of a number. He says that the ones and hundredths are the same digit.

The hundredths is an even number that is a multiple of 3.

The thousandths are half the ones.

The tenths is an odd number.

What number could John be thinking of?

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Challenge 2



Andrew and Paul are asked to identify the value of the digit underlined in the number below.

47.892

Andrew says, "The value of the underlined digit is 0.002."

Paul says, "The value of the underlined digit is 00.002."

Who is correct? Explain your answer.

Challenge 3



Harry and Sarah are looking at the number 37.480.

Harry says, "I can write it as 37.48."

Sarah says, "It must be written as 37.480."

Who is correct? Explain your answer.

Challenge 4



Adam and Mike are looking at the number 28.4.

Adam says, "I can partition the number as 20 and 84 tenths."

Mike says, "I can partition the number as 25 and 34 tenths."

Who is correct? Explain your answer.