

Place value – decimals

- 1) Write down the value of the 4 in each of these numbers:
a) 2.456 b) 0.54 c) 0.9984 d) 7.854
- 2) In the number 8.3456, what is the thousandths digit?
- 3) In the number 87.00003, what is the value of the 3?
- 4) Which is bigger: 5 thousandths or 5 tenths?
- 5) Write down the number that is equivalent to 45 thousandths
- 6) Write down the number that is equivalent to 643 tenths
- 7) Write down the number that is equivalent to 8 tenths and 4 ten thousandths
- 8) John is thinking of a number given to 3 decimal places.
He says the ones and hundredths are the same digit.
The tenths digit is an even number that is a multiple of three.
The thousandths digit is a multiple of five.
The sum of all the digits in the number is also a multiple of five.
How many possible numbers could John have thought of?
- 9) Write down the number that is 18 hundredths and 400 thousandths
- 10) Start with the number 4.5137
You can swap any two digits with each other.
How many swaps do you need to make the closest number to 1.2 possible?

Challenge

A positive integer has all six of its digits in ascending order.
It contains the digits 3,4,5 and is also a multiple of 6.
How many possible six-digit integers are there?

Answers

- 1a) 4 tenths b) 4 hundredths c) 4 ten thousandths d) 4 thousandths 2) 5
3) hundred thousandths 4) 5 tenths 5) 0.045 6) 64.3 7) 0.8004 8) 2 9) 0.58 10) 2