

# Decimals up to 2 d.p.

- 1 What number is represented on the place value chart?

Ones	Tenths	Hundredths
	0.1 0.1	0.01 0.01 0.01
0	2	3

Complete the sentences.

There are 0 ones, 2 tenths and 3 hundredths.

The number is 0.23.

- 2 Represent these numbers on a place value chart.

Complete the sentences.

- a) 0.56

There are 0 ones, 5 tenths and 6 hundredths.

- b) 0.08

There are 0 ones, 0 tenths and 8 hundredths.

- c) 1.48

There is 1 one, 4 tenths and 8 hundredths.

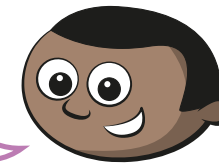
- d) 2.07

There are 2 ones, 0 tenths and 7 hundredths.



- 3 Mo is thinking about tenths and hundredths.

In the number 2.49  
the digit 4 represents  
4 tenths or 0.4



What is the value of the digit 4 in each of these numbers?

- a) 14.8 4 tens (40) d) 42.03 4 tens (40)  
b) 13.74 4 hundredths (0.04) e) 106.48 4 tenths (0.4)  
c) 8.04 4 hundredths (0.04) f) 176.4 4 tenths (0.4)

- 4 a) Circle the number that has 5 in the tenths position.

53

5.3

0.53

0.35

- b) Write three numbers that have 3 in the hundredths position.

0.53, 0.93, 17.03

- 5 Complete the calculations.

a)  $0.64 = 0.6 + \boxed{0.04}$

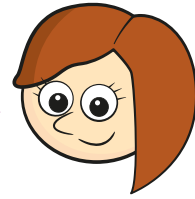
c)  $0.3 + 0.05 = \boxed{0.35}$

b)  $0.53 = 0.5 + \boxed{0.03}$

d)  $0.06 + 0.8 = \boxed{0.86}$

- 6 Rosie is finding different ways to partition 0.73

0.73 = 0.7 + 0.03  
or 0.3 + 0.43



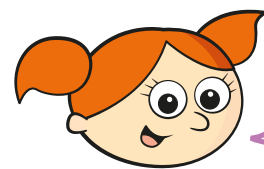
Ones	Tenths	Hundredths
0	7	3

In what other ways can 0.73 be partitioned?

List as many ways as you can below.

$$\begin{array}{ll} 0.73 = 0.7 + 0.03 & 0.73 = 0.4 + 0.33 \\ 0.73 = 0.6 + 0.13 & 0.73 = 0.3 + 0.43 \\ 0.73 = 0.5 + 0.23 & 0.73 = 0.2 + 0.53 \\ & 0.73 = 0.1 + 0.63 \end{array}$$

- 7 Alex is thinking of a number.



My number has 3 digits,  
is greater than 1 but less than  
2 and has 3 tenths.

- a) What number could Alex be thinking of?

Talk about it with a partner.

- b) Write all the possible numbers Alex could be thinking of.

1.31 1.32 1.33 1.34 1.35  
1.36 1.37 1.38 1.39

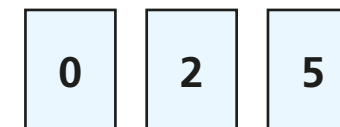
- c) Write another clue that would mean Alex's number is 1.34

It has 4 hundredths.

- 8 Match the words to the numerals.

5 ones, 6 tenths and 5 hundredths	0.56
5 tenths and 6 hundredths	60.05
5 ones, 5 tenths and 6 hundredths	5.56
6 tens and 5 hundredths	5.65

- 9 Annie has three digit cards.



Are the statements true or false? Explain your answers.

- a) The largest number Annie can make is 5.02

False.  $5.20 > 5.02$

- b) The smallest number Annie can make is 0.25

True. The only other number with 0 ones is  
0.52 which is greater than 0.25

- c) Annie can make six different numbers.

True 0.25 0.52 2.05 2.50  
5.02 5.20

