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.

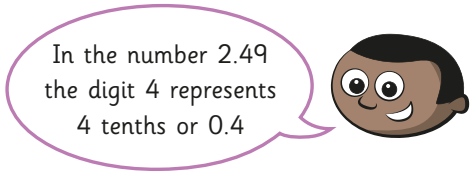
c) 1.48

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.



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

a) 14.8 4 ones (4)

b) 13.74 4 hundredths (0·04)

c) 8.04 4 hundredths (0·04)

d) 42.03 4 tens (40)

e) 106.48 4 tenths (0·4)

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.

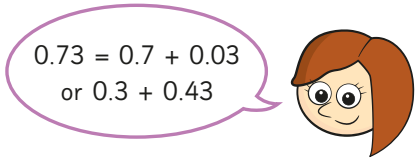
a) 0.64 = 0.6 + [0·04]

b) 0.53 = 0.5 + [0·03]

c) 0.3 + 0.05 = [0·35]

d) 0.06 + 0.8 = [0·86]

6 Rosie is finding different ways to partition 0.73



Ones	Tenths	Hundredths
0	7	3

In what other ways can 0.73 be partitioned?

List as many ways as you can below.

0·73 = 0·7 + 0·03

0·73 = 0·6 + 0·13

0·73 = 0·5 + 0·23

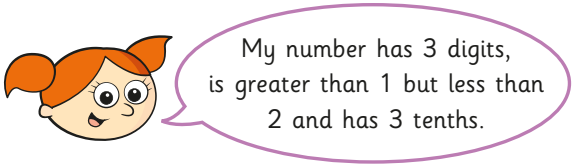
0·73 = 0·4 + 0·33

0·73 = 0·3 + 0·43

0·73 = 0·2 + 0·53

0·73 = 0·1 + 0·63

7 Alex is thinking of a number.



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

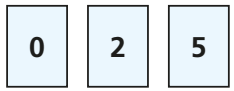
c) Write another clue that would mean Alex's number is 1.34

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