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 ☐ ones, ☐ tenths and ☐ hundredths.

The number is ☐ .

2 Represent these numbers on a place value chart.

Complete the sentences.

a) 0.56

There are ☐ ones, ☐ tenths and ☐ hundredths.

b) 0.08

There are ☐ ones, ☐ tenths and ☐ hundredths.

c) 1.48

There is ☐ one, ☐ tenths and ☐ hundredths.

d) 2.07

There are ☐ ones, ☐ tenths and ☐ 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 _____

d) 42.03 _____

b) 13.74 _____

e) 106.48 _____

c) 8.04 _____

f) 176.4 _____

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.

_____

5 Complete the calculations.

a) 0.64 = 0.6 + ☐

c) 0.3 + 0.05 = ☐

b) 0.53 = 0.5 + ☐

d) 0.06 + 0.8 = ☐

6 Rosie is finding different ways to partition 0.73
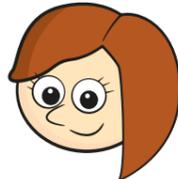
0.73 = 0.7 + 0.03
or 0.3 + 0.43

Ones	Tenths	Hundredths
0	7	3

In what other ways can 0.73 be partitioned?

List as many ways as you can below.

_____

_____

_____

7 Alex is thinking of a number.
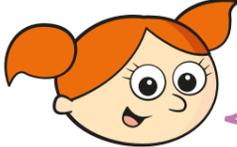
My number has 3 digits, is greater than 1 but less than 2 and has 3 tenths.

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.

_____

_____

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

_____

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.

| 0 | 2 | 5 |

Are the statements true or false? Explain your answers.

a) The largest number Annie can make is 5.02

_____

_____

b) The smallest number Annie can make is 0.25

_____

_____

c) Annie can make six different numbers.

_____

_____