

## \* 3.1. Exploring decimals

### Remember

Place value – the position of a digit in a number gives its value. The decimal point separates whole numbers from decimal places.

T	O	t	h
4	3	9	8

Read as forty-three point nine eight.

When comparing decimals, look carefully at what zeros mean in decimal numbers.

These are all worth the same: 9 9.0 9.00

These are not worth the same: 9 0.9 0.09

Write down the value of the digit 3 in each of these numbers:

- a) 72.3                      b) 84.03                      c) 5.53  
 .....                      .....                      .....

Write these numbers in figures:

- a) fifteen point three seven  
 .....
- b) one hundred and five point zero five  
 .....
- c) thirty-four point three four  
 .....

Look and learn

◆ Tenth: a tenth is 1 part in 10 ( $\frac{1}{10}$ ) of a whole and can be written as 0.1.

H	T	O	t
		0	1

◆ Hunderdth: a hunderdth is 1 part in 100 ( $\frac{1}{100}$ ) and can be written as 0.01

H	T	O	t	h
		0	0	1