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

....

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

Write these numbers in figures:

a) fifteen point three seven

....

b) one hundred and five point zero five

....

c) thirty-four point three four

....

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