Ordering thousandths

Read, write, order and compare numbers with up to 3 decimal places

Challenge 1

1 Count on in thousandths for five numbers from these decimals. Write your numbers as you count.

a 0·276	b 0·158	c 1·641
d 2·317	e 3·854	f 3·903
g 4·008	h 4·744	i 4·078
j 5·835	k 6·038	l 7·934

Challenge 2

1 Put these decimal numbers in order, smallest to largest.

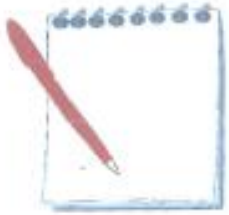
a 0·863,	0·386,	0·286,	0·482,	0·183,	0·589
b 1·262,	1·082,	1·629,	1·148,	1·002,	1·735
c 2·761,	2·007,	2·629,	2·812,	2·529,	2·721
d 5·398,	5·981,	5·273,	5·286,	5·297,	5·101
e 4·387,	4·361,	4·308,	4·392,	4·343,	4·309
f 7·287,	7·629,	7·291,	7·602,	7·215,	7·659
g 8·911,	8·683,	8·827,	8·216,	8·825,	8·206
h 9·721,	9·377,	9·018,	9·726,	9·354,	9·013
i 6·675,	6·756,	6·075,	6·757,	6·005,	6·555
j 3·211,	3·121,	3·021,	3·102,	3·222,	3·011

2 Write the decimal numbers that are one thousandth smaller and one thousandth larger than each of these numbers.

a 2·387	b 3·209	c 5·114	d 6·804
e 1·055	f 7·852	g 6·255	h 8·888
i 9·005	j 8·078	k 7·045	l 8·617
m 5·299	n 7·301	o 8·001	p 3·333

Challenge 3

1 Use the greater than > or less than < sign to make each statement correct.

a 2·645	2·821	b 4·831	4·762
c 5·558	5·539	d 7·028	7·038
e 8·156	8·172	f 9·628	9·691
g 6·529	6·527	h 3·877	3·866
i 4·003	4·001	j 6·937	6·973
k 1·626	1·627	l 9·999	9·909

2 Write some step-by-step instructions for ordering decimals to 3 places. Once you have written them, test them out to see if they work!