

▶ 2024 LCHL Paper 1 – Question 1 (a)

A group of 22 students was tested to see how far, in metres, each of them could swim without stopping for a rest. The results of the testing are shown in the ordered stem and leaf plot below.

Four of the entries have been replaced with the letters a , b , c , and d .

2	b	2	7			
3	a	4	4	5	8	
4	0	1	d	5	6	9
5	2	3	7	7	8	
6	1	8	c			

Key: $2|7 = 27$ metres

- (i) The **mode** of the data is 34 metres. Use this to write down the value of a .

- (ii) The **range** of the data is 49 metres. Use this to find the value of b and the value of c .

- (iii) The **median** of the data is 43.5 metres. Use this to find the value of d .

