

1. Some students are timed on how long they took to complete a puzzle.

The 15 students solve the same puzzle twice.

The stem and leaf shows the time the students took to solve the puzzle the **first** time.

The time the students took to solve the puzzle is measured in seconds.

**stem and leaf diagram**

2	3	7	8
3	1	3	9
4	0	3	
5	7	9	
6	1	2	5
7	8	9	

**long-winded table**

23	27	28	
31			

Key: 2|3 = 23 seconds

- (a) Complete the puzzle times in the long-winded table.

This stem and leaf shows the time the students took to solve the puzzle the **second** time.

**stem and leaf diagram**

0	9				
1	2	2	3	5	7
2	0	1	3	4	
3	6	9	9		
4	1	8			

**long-winded table**

9				
12	12	13		

- (b) Complete these times in the long-winded table.

Answers (turn over for more answers) Q3:

2	3	4	5	6	7	7	8	8	9	
10	10	11	11	11	12	12	15	15	16	18
23	27									

2. Roza collected some information about the diameter of 22 allium flowers.

This information is shown in the stem and leaf diagram.

**stem and leaf diagram**

4	1	5	5			
5	4	6	7	9		
6	0	1	1	2	6	9
7	1	2	3	8		
8	1	2	5			
9	0	1				

**long-winded table**

41	45	45			
54	56				

Key: 4|1 = 41 mm

Write down the diameters of Roza’s allium flowers in the long-winded table.

The first 5 diameters are written for you.

3. The stem and leaf shows the distances travelled per hire for 23 rental cycles.

The distances are given in kilometres.

This information is shown in the stem and leaf diagram.

**stem and leaf diagram**

0	2	3	4	5	6	7	7	8	8	9	
1	0	0	1	1	1	2	2	5	5	6	8
2	3	7									

**long-winded table**

2	3	4								
10	10	11								
23										

Key: 2|3 = 23 km

Complete the distances in the long-winded table.

Answers Q1 (a)

23	27	28
31	33	39
40	43	
57	59	
61	62	65
78	79	

Q1(b)

9				
12	12	13	15	17
20	21	23	24	
36	39	39		
41	48			

Q2

41	45	45			
54	56	57	59		
60	61	61	62	66	69
71	72	73	78		
81	82	85			
90	91				