Stem-and-leaf plots

What happens to the lining of your stomach when you blush?

Complete each of the tasks and match the letter in the question box to the number in the code box to solve the riddle. Give your answer to one decimal place where necessary.

Construct an ordered stem-and-leaf plot for the following data set: 5, 17, 8, 21, 17, 23, 9, 15, 20, 13, 14, 29, 14, 17.

Stem	Leaf
—	— — —
—	— — — ☐ — — —
—	— — — —

Key: 1 | 3 represents 13   **I**

Find the median of the following data set.

Stem	Leaf				
10	3	3	5	8	9
11	0	4	9		
12	4	4	7	9	
13	3	6	6		
14	5	8			

Key: 10 | 3 represents 103   **N**

Find the mean of the following data set.

Stem	Leaf				
6	4	5	8	9	
7	1	2	5		
8	1	4	6	6	8
9	1	4			
10	0	4	5	9	

Key: 9 | 1 represents 91   **S**

Construct an ordered stem-and-leaf plot for the following data set: 64, 78, 43, 52, 41, 48, 69, 49, 51, 67, 79, 71, 72, 57, 64, 68, 47.

Stem	Leaf
—	— — — — —
—	— — — —
—	— — — ☐ —
—	— — —

Key: 4 | 1 represents 41   **E**

Find the mean of the following data set.

Stem	Leaf				
10	3	3	5	8	9
11	0	4	9		
12	4	4	7	9	
13	3	6	6		
14	5	8			

Key: 10 | 3 represents 103   **R**

Find the median of the following data set.

Stem	Leaf				
6	5	6	8	9	
7	1	2	5		
8	1	3	4	6	8
9	1	4			
10	0	4	5	9	

Key: 6 | 5 represents 65   **U**

Find the median of the following data set.

Stem	Leaf						
27	5	5	9				
28	4	4	6	7	8	8	9
29	0	0	1	9			
30	1	5					
31	1	1	2	3	6	7	7	7

Key: 27 | 5 represents 275   **T**

Construct an ordered stem-and-leaf plot with two stems for each multiple of 10 for the following data set: 80, 70, 77, 70, 84, 85, 70, 89, 72, 75, 71, 85, 76, 77.

Stem	Leaf
—	— — — —
—	— — — —
—	— — —
—	— ☐ —

Key: 7 | 0 represents 70   **D**

29	290.5		290.5	83.5	121.9	124	84		121.9	68	85