

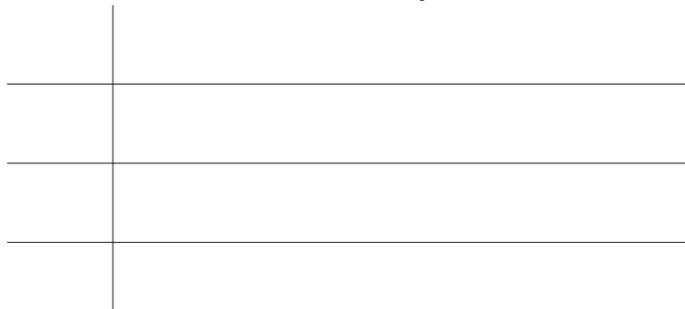


Stem and Leaf Diagram Exam Practice

Q1. Here are the weights, in kg, of 20 dogs.

21 35 41 47 32 12 45 40 52 33 8 55 41 29 72 38 42 48 38 9

Draw an ordered stem and leaf diagram to show this information.
You should include a key.

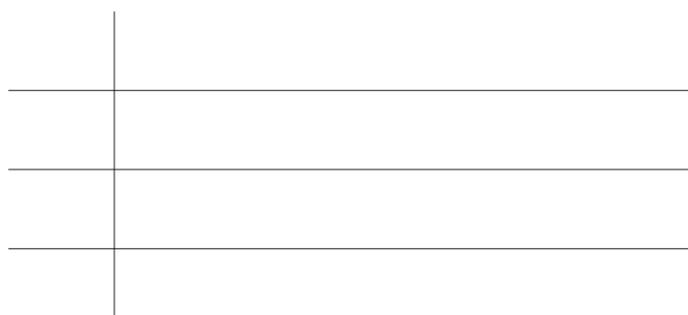


(3 marks)

Q2. Here are the times, in seconds, it took 15 people to complete a spelling test:

54 65 68 49 72 56 66 62 68 51 59 71 60 53 70

Draw an ordered stem and leaf diagram to show this information.



Key:

(3 marks)

Q3. The heights of a class of year 9 school pupils were measured in cm.

1	45 47 48
1	50 52 53 54 55 57
1	61 63 64 67 69
1	70 72 72 75

Key:

- Complete the key.
- Find the range of the heights.
- Find the median height in the class.

(3 marks)



Q4. The lengths of cucumbers in a box were measured in cm:

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

Key:

- a) Complete the key. (1 mark)
- b) Find the mean weight of a cucumber. (2 marks)
- c) A cucumber is rejected if it is less than 17 cm or more than 34 cm in length. Find the probability that a randomly selected cucumber from the box is rejected. (2 marks)

Q5. Here are the annual wages of a company's employees, in thousands of pounds:

31, 24.5, 43, 53.2, 19.5, 59.3, 29, 21.7, 53.7, 31.4, 20, 24.6

Draw an ordered stem and leaf diagram to show this information, including a key.

- a) Find the range of wages at the company. (1 mark)
- b) Find the median annual wage (1 mark)
- c) Find the probability that a randomly selected employee earns less than £30,000 a year. (2 marks)
- d) Due to an error, the employee who earns £29,000 should be earning £500 less than this. Does this affect the median? Explain your choice. (1 mark)