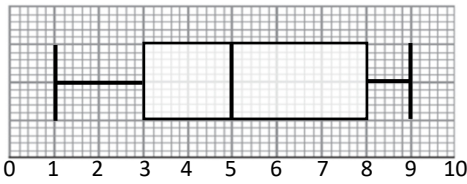




Name: _____



For each of the box plots shown, find the following information:

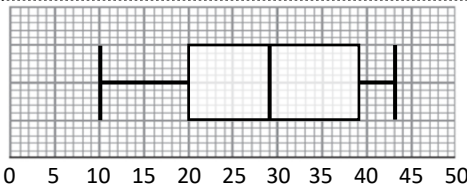


a) Minimum value **1**

b) Maximum value **9**

c) Median **5**

d) Interquartile range **5**

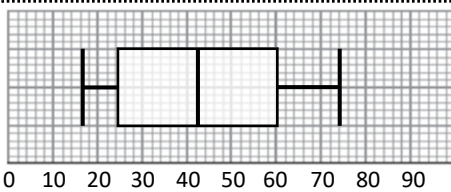


e) Minimum value **10**

f) Maximum value **43**

g) Median **29**

h) Interquartile range **19**



i) Minimum value **16**

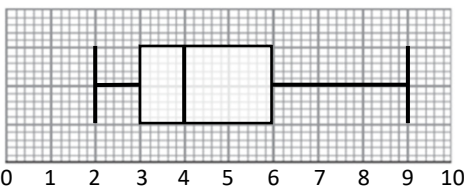
j) Maximum value **74**

k) Median **42**

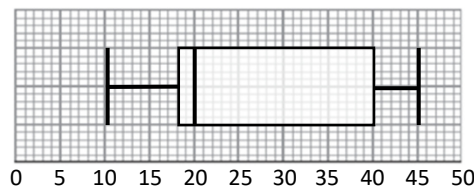
l) Interquartile range **36**

In each of these questions, draw a box plot to represent the spread of data for the information given:

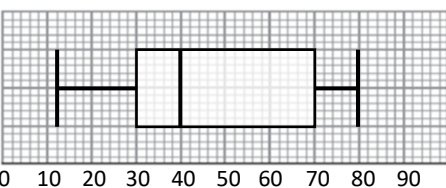
a) Max value = 9, Min value = 2, Median = 4,
Lower quartile = 3, Upper quartile = 6



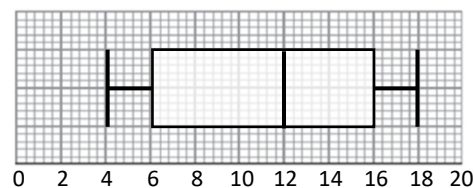
b) Max value = 45, Min value = 10, Median = 20,
Lower quartile = 18, Upper quartile = 40



c) Min value = 12, Range = 68, Median = 40,
Upper quartile = 70, Inter quartile range = 40



d) Max value = 18, Range = 14, Median = 12,
Lower quartile = 6, Inter quartile range = 10



e) Compare the heights of plants in Group A and B

Group A has a higher median so taller on average
Group B has a smaller IQR so the heights are more consistent

f) Compare the prices of shoes in Group A and B

Group B has a higher median so cost more on average
Group A has a smaller IQR so the prices are more consistent

Exam question:

The weights of 11 animals, in kg, are recorded below.

38, 45, 40, 28, 26, 16, 22, 12, 40, 31, 20

Draw a box plot for this information.

