Statistics in Geography: Answers

1.

a. Calculate the mean width of the river.

   0.65 + 0.60 + 0.58 + 0.54 + 0.70 + 0.60 + 0.62 + 0.74 + 0.80 + 0.61 = 6.44

   6.44 ÷ 10 = 0.644

   The mean width of the river is 0.644m.

b. Calculate the median width of the river.

   The median width is 0.615m.

c. Calculate the mode width of the river.

   The modal width is 0.60m.

d. What is the range of the data?

   0.80 – 0.54 = 0.26

   The range is 0.26m.

e. What is the interquartile range of the data?

   Lower Quartile = 0.60m

   Upper Quartile = 0.70m

   UQ – LQ = 0.70 – 0.60

   The interquartile range is 0.10m.

2.

a. What is the modal class of the pebbles.

   The modal class is 6-10cm.