

Write your answer to question 21.

- 21 The highest possible score on a college admissions mathematics examination is 800. The stem-and-leaf plot shows the scores for a group of 20 students who were granted early admission to their chosen universities.

Stem	Leaf
68	0 5 5
70	0 0 5 5
71	5
73	0 0 5
74	0 5
75	0 5
78	0 0 5
80	0 0

Key
68   0 = 680

- What is the median score for these 20 students? Show or explain how you obtained your answer.
- What is the range of the scores for these 20 students? Show or explain how you obtained your answer.
- What are the lower (first) quartile and the upper (third) quartile?
- Make a box-and-whisker plot that displays the same data given in the stem-and-leaf plot above. Be sure to label the minimum, the lower quartile, the median, the upper quartile, and the maximum on your box-and-whisker plot.

