Practice worksheet | Statistics

Comparative stem-and-leaf/dot/frequency displays

Name: _____ Date: _____

6 questions | 14 marks

1. Construct an ordered stem-and-leaf plot for 21, 15, 19, 12, 21, 25. Include a key. [3 marks]

2. Use the supplied plot. How many values equal 24, and how many values are there altogether? [2 marks]

Key: 1 | 4 means 14 cm. Each leaf is one measurement.

Stem	Leaves
1	2 4 4 7
2	0 1 4 4

3. Draw a dot plot for 0, 1, 1, 2, 2, 2, 4 and state the mode. [3 marks]



4. Values 1, 2, 3 have frequencies 4, 2, 3. Find the sample size. [2 marks]

5. Why should two dot plots being compared use the same number scale? [2 marks]

6. Samples have 10 and 30 observations. Does the taller frequency bar necessarily mean a larger proportion? [2 marks]