Practice worksheet | Statistics

Shape and outliers

Name: _____ Date: _____

6 questions | 12 marks

1. Describe the main cluster and an unusual value in 7, 8, 8, 9, 9, 10, 28. [2 marks]

2. Why is “28 is different, so remove it” not enough justification? [2 marks]

3. For 3, 4, 4, 5, 24, find the mean and median. [2 marks]

4. A graph has a long tail towards large values. Is it left-skewed or right-skewed? [2 marks]

5. The minimum is 12 and maximum 31. A genuine new observation of 50 is included. What happens to the range? [2 marks]

6. A recorded plant height is 420 cm while other seedlings are 4-8 cm. Name two things to check before using it. [2 marks]