Practice worksheet | Statistics

Comparing displays and choosing a useful average

Name: _____ Date: _____

6 questions | 12 marks

1. Group A has mean 15 and range 4. Group B has mean 15 and range 14. State one similarity and one difference. [2 marks]

2. A dataset has several very high prices and many modest prices. Which of mean or median is usually more useful for a typical price? Explain. [2 marks]

3. Which summary would help a shop order its most popular T-shirt colour? [2 marks]

4. Two bar graphs show the same frequencies, but one scale runs 0-20 and the other 0-200. Can bar height in centimetres alone compare frequencies? [2 marks]

5. Scores are 6, 8, 8, 10, 13. Give the median and range, then explain why these do not describe everything. [2 marks]

6. In Group A, 12 of 40 students catch a bus. In Group B, 8 of 20 do. Which has the greater proportion of bus travellers? [2 marks]