Practice worksheet | Counting and introductory statistics

Range, quartiles and interquartile range

Name: _____ Date: _____

6 questions | 14 marks

1. Find the range of 3,4,7,8,20. [2 marks]

2. Find the five-number summary of 2,4,6,8,10,12,14. [2 marks]

3. Find the IQR of 1,2,4,5,7,9,11,15. [2 marks]

4. A box plot has summary $(5, 8, 11, 16, 25)$. State the median, IQR and range. [2 marks]

5. Replace the largest observation 30 in 1,3,5,7,9,11,30 with 100. Compare range and IQR. [3 marks]

6. Two sets have the same five-number summary. Must their means be equal? Explain. [3 marks]