

## Year Ten Statistics Homework - Sheet 3 Term 2, 2015

Name: \_\_\_\_\_

Due Date: Tuesday 5<sup>th</sup> May, 2015

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| <p>1. Find the average (mean) of the following set of values. Show calculations.</p> <p>2, 4, 8, 9, 6, 5, 2, 9, 8, 7</p> <p>(2)</p> <p>2. Rank the values from smallest to largest, then find the median value.</p> <p>a) 3, 5, 7, 4, 2, 6, 8</p> <p>(2)</p> <p>b) 26, 17, 12, 23, 15, 17, 28, 24</p> <p>(2)</p> <p>3. Give the mode for this set of data</p> <p>12, 15, 15, 17, 12, 18, 13, 15, 26</p> <p>(1)</p> <p>4. Find the mean, median and mode for</p> <p>38, 20, 54, 40, 37, 40, 25</p> <p>(3)</p> | <p>5. Check that the following data is ordered</p> <p>10, 11, 14, 20, 21, 21, 22, 31, 33, 34, 35, 41, 42, 45, 49, 56, 57</p> <p>a) Find the median<br/>b) Find <math>Q_1</math> and <math>Q_3</math><br/>c) Draw a box and whisker plot</p> <p>(5)</p> <p>6. Use class intervals of 5 to express the following as a stem and leaf plot</p> <p>42, 31, 22, 21, 27, 20, 38, 27, 34, 23, 28, 12, 32, 35, 22, 23, 32, 40</p> <p>(3)</p> |
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