

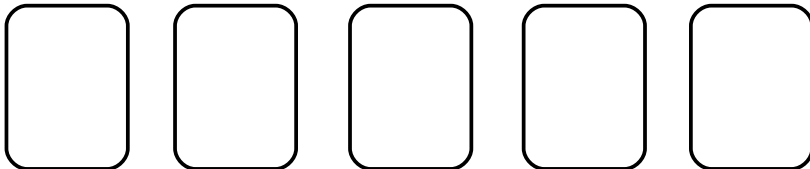
GCSE Maths worksheet 12

Name _____

Group _____

Don't use a calculator. Do all your working on this sheet. Answer all the questions.

| 1 | <p>Below are the ages of 8 people in a minibus</p> <p>7, 7, 8, 10, 12, 12, 18, 46</p> <p>Calculate the <u>mean</u> age of the people in the minibus</p> | | | | | | | | | | | |
|--------------|--|--------------|----------------|-----|---|-----|---|-----|---|-----|---|--|
| 2 | <p>Below are the age in months of some toddlers in a nursery.</p> <p>36, 24, 27, 25, 35, 27, 30, 32, 24</p> <p>Find the <u>median</u> age of the toddlers</p> | | | | | | | | | | | |
| 3 | <p>The number of children per household in one street in Walsall is shown below...</p> <p>0, 0, 3, 2, 1, 0, 1, 0, 2, 0, 1, 2, 3, 2, 1, 0, 0, 0, 1, 2, 0, 0, 1</p> <p>What is the <u>modal</u> number of children per household in this street?</p> | | | | | | | | | | | |
| 4 | <p>Terrance does odd jobs for people. He keeps a record of the number of jobs and the price for each. The table below is for one month...</p> <table border="1" data-bbox="395 1644 1086 1933"><thead><tr><th>Price of job</th><th>Number of jobs</th></tr></thead><tbody><tr><td>£30</td><td>3</td></tr><tr><td>£40</td><td>6</td></tr><tr><td>£50</td><td>5</td></tr><tr><td>£60</td><td>2</td></tr></tbody></table> <p>Calculate the <u>total</u> value of the jobs for that month.</p> | Price of job | Number of jobs | £30 | 3 | £40 | 6 | £50 | 5 | £60 | 2 | |
| Price of job | Number of jobs | | | | | | | | | | | |
| £30 | 3 | | | | | | | | | | | |
| £40 | 6 | | | | | | | | | | | |
| £50 | 5 | | | | | | | | | | | |
| £60 | 2 | | | | | | | | | | | |

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|---|---|--|
| 5 | <p>There are 6 people in a room and the mean age is 30 years. One person leaves. The mean age drops to 24 years. How old was the person who left the room?</p> | |
| 6 | <p>Francine has 5 blank cards as shown below....</p> <div style="text-align: center;">  </div> <p>Write a number on each card so the <u>median</u> is 10 and the <u>range</u> is 6.</p> | |
| 7 | <p>Below is a stem and leaf diagram showing the time in minutes that people took to complete an athletics event.</p> <pre> 4 8 9 5 0 0 2 3 5 7 6 1 3 3 3 3 6 8 9 7 0 0 2 </pre> <p style="text-align: right;">key 4 8 represents 48 mins</p> <p>a) Find the <u>median</u> time taken to complete</p> <p>b) Find the <u>range</u> of times taken</p> | |
| 8 | <p>Below is a stem and leaf diagram showing the weights of a group of people.</p> <pre> 5 7 9 6 0 0 1 8 8 9 7 1 2 4 7 8 3 6 9 9 1 </pre> <p style="text-align: right;">key 5 7 represents 57 Kg</p> <p>a) How many people weighed less than 70Kg?</p> <p>b) Find the median weight of the people</p> <p>c) Find the range of weights</p> | |