**![C:\Users\Caroline\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\7Y9D1L0C\MCj03656620000[1].wmf]()Statistics Homework 2.4 Due Thursday 25th February**

1. A group of pupils at Dumbarton Academy were asked how much money they spent on their lunch everyday, the results were as follows:

£1.50, £2.50, £2.00, £2.00, £3.00, £2.50, £0.50, £2.00, £4.50, £1.50, £1.00, £2.00, £1.00

1. ![C:\Users\Caroline\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\FFKLF2LF\MCj02958540000[1].wmf]()Calculate the MEAN amount of lunch money spent
2. What was the MEDIAN?
3. What was the MODAL amount? (the mode)
4. What was the RANGE of lunch money spent?
5. The data below shows the number of buses that go through Dumbarton High Street each day:

![C:\Users\Caroline\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\UJD2R2XC\MPj04393670000[1].jpg]()

16, 11, 32, 40, 65, 32, 33, 18, 12, 6, 23, 57, 16, 54, 42, 67, 32, 78, 47, 49, 52, 70, 16, 38, 7, 13, 35, 79, 71, 52, 24, 15, 10

1. Choose a suitable class interval and construct a frequency table like the one below:

|  |  |  |
| --- | --- | --- |
| Class Interval | Tally | Frequency |
|  |  |  |
|  |  |  |

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1. Second year test scores are shown in the table below:

|  |  |  |
| --- | --- | --- |
| **S2 Scores (**$x)$ | **Frequency (f)** | **F x**$ x$ |
| 12 | 1 |  |
| 14 | 6 |  |
| 16 | 8 |  |
| 18 | 9 |  |
| 20 | 6 |  |
| Totals |  |  |

1. Copy and Complete the table above
2. Using the table calculate the MEAN test score for S2
3. For the table below:-
4. add a cumulative frequency column (b) find the median

|  |  |
| --- | --- |
| **Score** | **Frequency** |
| 10 | 3 |
| 11 | 3 |
| 12 | 12 |
| 13 | 16 |
| 14 | 15 |
| 15 | 24 |
| 16 | 35 |