

FREE STANDING MATHS UNIT

Making Sense of Data unit Foundation level

Body Mass Index.

Using information collected for Assignment Sc4 construct a spreadsheet that will contain your data, any conversions required and the Body Mass Index of each individual in the group.

Ensure that the cells are correctly formatted and that your table is presentable.

Check that you have done the following:

- Found the total BMI and calculated the mean.
- Found the median and the range.
- Sorted the BMI into order.
- Printed a copy of the spreadsheet containing your calculations and also one showing the formulae that you have used.
- Added a column to your spreadsheet to contain the BMI rounded to the whole number.
- Produced suitable charts/tables to draw three statistical charts/diagrams.
- Commented on the diagrams/charts produced and compared them.
- Explained what you have done and why.
- Shown some sort of checking for what you have done.

Your Coursework Portfolio must include	You must show all your calculations and:
<p>1 (part) A table of data that you have drawn Your table should be drawn using a spreadsheet.</p>	<ul style="list-style-type: none"> • select which data to put in your table • decide on the table headings to use • complete your table accurately using <i>all relevant</i> data • use methods of checking to make sure that you have included all data.
<p>2 Two different statistical diagrams and two different statistical measures that illustrate data from one situation. At least one of your diagrams should have been drawn and one of the statistical measures should have been calculated using a spreadsheet.</p>	<ul style="list-style-type: none"> • use only diagrams that are relevant • present diagrams that are clear, accurate and fully labelled • show the calculations you carry out • include calculations you carry out by hand.
<p>6 Print outs from a spreadsheet that involves formulae that you have input yourself. You should include two print outs: (i) showing the results of your work (ii) the formulae you have used.</p>	



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Data

The table below gives some data collected by students.
This could be used for practice.

Weight and height results for BMI

Weight		Height	
st	lbs	ft	ins
9		5	6
11	4	5	10
9	13	6	1
8	1	5	7
10	7	5	10
8	5	5	6
9	7	5	5
6	5	5	3
11	6	6	2
11	2	5	9
10	3	5	10
10	3	5	2
8		5	5
8	4	5	7
10	7	5	6
10	6	5	2
7	5	5	4
9	6	6	
9	2	5	8
8	7	5	6
10	7	5	9
7	7	5	10

Weight		Height	
st	lbs	ft	ins
12		5	10
11		6	
8	5	5	9
8	4	5	9
10	7	5	11
12	7	5	9
10	13	5	11
12		5	11.5
10		5	10
10	7	5	10
9	7	5	6
10		5	4
6	7	5	7
9		5	9
12		5	10
7	4	5	6
7	4	5	2
9	2	5	7
10	7	6	

