Homework – Set: Friday 6thth March Due In: Fri 13th March

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| 1. If there are 800 boys and 5oo girls in a school and I want a stratified sample of 50 students.

How many boys and how many girls will I need to ask? | 1. Describe a way to do a random sample.
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| 1. The table and histogram below show the same data for the heights of 100 adults.

Complete the table and the histogram[4 marks] |
| 1. Calculate the missing angles

http://t3.gstatic.com/images?q=tbn:ANd9GcRbbL9ZPY4ogxxJ_dnY-K4yXXGdnPVcBtJ-Y4BRP2bx_OeN9TfjwQ:image.tutorvista.com/Qimages/QD/38891.gif | 1. Calculate the value of a single interior angle of a regular heptagon.
 |
| 1. *Multiply out the brackets*

***Example***1. *5(x + 9) = 5x + 45*
2. *7x(x – 3) = 7x2 – 21x*
3. *(x + 2) (x + 5)*

*= x2 + 5x + 2x + 10**= x2 + 7x + 10* | 1. Multiply out the brackets
2. 3(x – 8)
3. 5x(x + 7)
4. (x + 4)(x + 7)
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| 1. Solve the following equations:
2. 3x = 27
3. 5x + 9 = 24
4. 3x + 7 = 5x – 1
5. $\frac{2x+7}{3}=\frac{3x-12}{2}$
6. Solve the following inequality draw the answer on the number line

5x + 8 = 8x - 11. http://t2.gstatic.com/images?q=tbn:ANd9GcQUbFrfliOJBfGi5N2FwdUV4N8qwObDlbuRy6vKCMjFCjIESAk9:www.bbc.co.uk/staticarchive/6a475f7256eeb218cbe7f7d37ab9152b3839f90a.gif
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