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. |
| 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](http://www.google.co.uk/url?sa=i&rct=j&q=missing+angle+triangle+and+quadrilateral+worksheet&source=images&cd=&cad=rja&uact=8&ved=0CAcQjRw&url=http://reroterde41.soup.io/&ei=jXz5VJ_BFMj9Uqa9gIgO&psig=AFQjCNF53JUz9cYw_1P1JOmsNYol13aogA&ust=1425722881750192) | 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) |
| 1. Solve the following equations: 2. 3x = 27 3. 5x + 9 = 24 4. 3x + 7 = 5x – 1 5. Solve the following inequality draw the answer on the number line   5x + 8 = 8x - 1   1. http://t2.gstatic.com/images?q=tbn:ANd9GcQUbFrfliOJBfGi5N2FwdUV4N8qwObDlbuRy6vKCMjFCjIESAk9:www.bbc.co.uk/staticarchive/6a475f7256eeb218cbe7f7d37ab9152b3839f90a.gif | |