Homework 17

Hand in: _____

Do not use a calculator for questions 1-6. You must show all your working out where the question number is **underlined**. For these questions stating an answer without showing a written method will not score a mark.

6. Calculate $\frac{5}{8}$ of 56.	**2.** Calculate 35% of 700
3. Expand; 3(a + 9)	4. How many seconds are in one hour?

5. 6.28 x 7 =	**6.** 15.6 ÷ 5 =
7. Complete the set of coordinates using y = 5x 	x	0	1	2	3
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y				| (0, __) (1,__) (2, __) (3,__)	8. Draw the lines of symmetry on this shape.
9. 11 out of 30 people prefer maths. What angle should represent them on a pie chart?	10. How many millimetres are equal to 27.4cm?
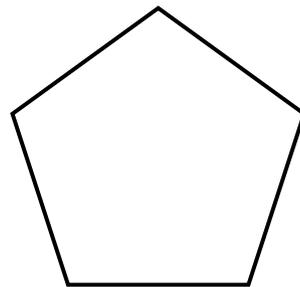
Gold:

Work out the mean for these sets of data;

1.   3, 5, 7, 9

…………………………………………………………………..

2.   4, 4, 5, 7, 9

…………………………………………………………………..

3.   12, 14, 16, 18, 20

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Write a set of 5 pieces of data that has a mean of 6.

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Write a set of 5 pieces of data with a mean of 6, a mode of 5 and a range of 6.

…………………………………………………………………..

Silver:

For each set of data find the mode, median and range;

Data	Mode	Median	Range
1, 2, 4, 5, 5			
3, 7, 7, 8, 8, 10			
12, 4, 7, 2, 15, 11			
13, 17, 17, 18, 18, 20			

Write a set of 5 pieces of data with the following features;

Mode of 3 and range of 6 ___ ___ ___ ___ ___

Median of 11 range of 4 ___ ___ ___ ___ ___

Median of 6, mode of 9 and range of 5

___ ___ ___ ___ ___

Bronze:

Describe the mode for the information in the bar charts below: