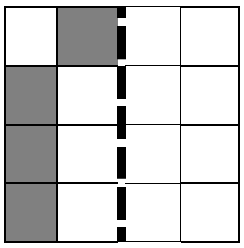
Homework 1 Core

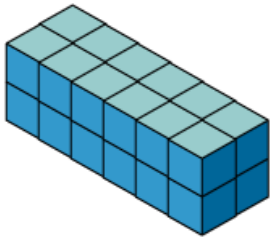
Where a question asks you to show working a correct answer will only be awarded a mark for a correct WRITTEN method. The method you use is more important than the actual answer in helping you to progress in maths.
Due in:

1. If the area of a rectangle is $12cm^2$. What could be its length and its width?	3. Add together 45, 82 and 23 (show working) 
2. In a magic square, all rows, columns and diagonals must add up to the same total. Complete this magic square. 4 | | | | 6 | 1 | | 8	4. Complete the calculation. Show working $\begin{array}{r} 38 \\ \times\ 6 \\ \hline \end{array}$ 

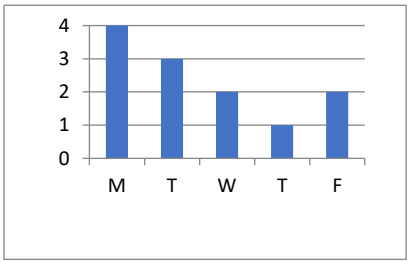
5. Give this diagram reflective symmetry about the dotted line.



8. How many cubes are needed to make the following shape (don't forget to count the ones you can't see)?



6. This graph shows the number of homeworks Amy had over a week. How many did she have altogether?



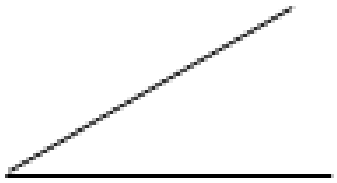
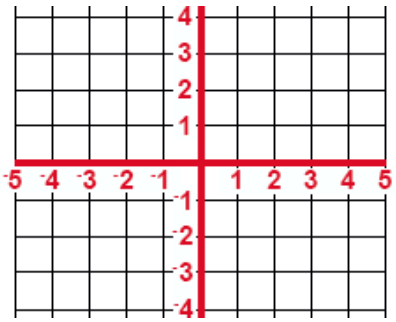
9. Arrange these numbers in ascending order.

0.12, 1.2, 0.012, 12

7. Estimate the length of your maths classroom in metres.

10. Round 749 to the nearest hundred.

11. Circle the odd numbers from the list below 13 24 36 49 101 130	14. I think of a number, multiply it by 2 and add 1. My answer is 15. What number was I thinking of?
12. Simplify a + a + a + a + b + b	15. During the day the temperature was 6^{o}C. At night it fell by 10 ^{o}C. What was the night time temperature?
13. If x=4 what is the value of 12+x?	16. What is the mode of the following numbers: 4, 7, 2, 4, 2, 2, 8, 7, 4, 2

17. Measure this angle using a protractor. 	19. If you roll a dice, what is the probability of getting a 4?
18. Convert 50% into a fraction.	20. On the grid, plot the point (2, 3) 

Total: