



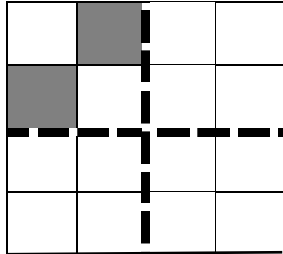
Homework 2 Core

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.

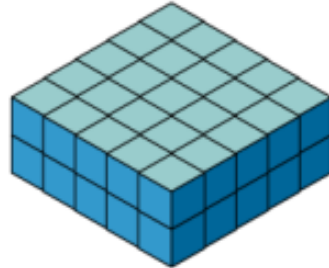
Due in:

<p>1. If the area of a rectangle is 20cm^2. What could be its length and its width?</p>	<p>3. Work out $125 - 78$ (show working)</p> 									
<p>2. In a magic square, all rows, columns and diagonals must add up to the same total. Complete this magic square</p> <table border="1" data-bbox="368 1563 644 1749"> <tbody> <tr> <td>8</td> <td>2</td> <td>11</td> </tr> <tr> <td></td> <td>7</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </tbody> </table>	8	2	11		7					<p>4. Complete the calculation. Show working.</p> $\begin{array}{r} 42 \\ \times 8 \\ \hline \end{array}$ 
8	2	11								
	7									

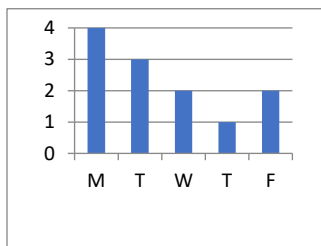
5. Give this diagram reflective symmetry about the dotted lines.



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. On which two days was she set the same number of homeworks?



9. Arrange these numbers in ascending order.

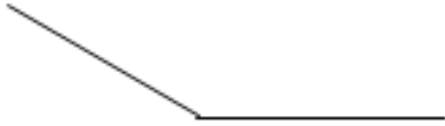
5.1, 15, 51, 1.5, 0.51, 0.15,

7. Estimate the height of your maths classroom in metres

10. Round 939 to the nearest ten

<p>11. Circle the factors of 12 from the list below</p> <p>1 2 3 4 5 6 7 8</p> <p>Which factor is missing?</p>	<p>14. I think of a number, multiply it by 3 and subtract 1. My answer is 29. What number was I thinking of?</p>
<p>12. Simplify</p> $a + a + a + b + a + a + b + b$	<p>15. During the day the temperature was 8°C. At night it fell by 12°C. What was the night time temperature?</p>
<p>13. If $x=7$ what is the value of $20 - x$?</p>	<p>16. What is the median of the following numbers:</p> <p>4, 7, 2, 4, 2, 2, 8, 7, 4, 2, 5</p>

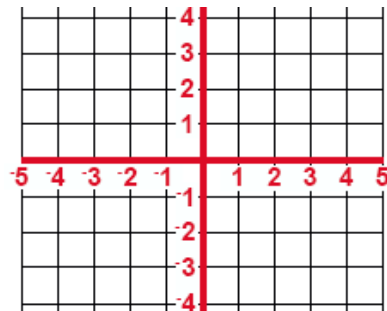
17. Measure this angle using a protractor.



19. If you roll a dice, what is the probability of getting a 6?

18. Convert 25% into a fraction.

20. On the grid, plot the point $(-2, 1)$



Total:

