

Homework 3 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 24cm^2 . What could be its length and its width?

3. Add together 130, 212 and 341 (show working)



2. In a magic square, all rows, columns and diagonals must add up to the same total. Complete this magic square.

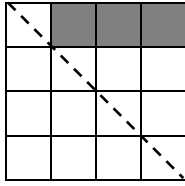
10	8	6
9		

4. Complete the calculation. Show working.

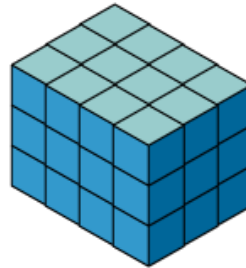
$$\begin{array}{r} 145 \\ \times 3 \\ \hline \end{array}$$



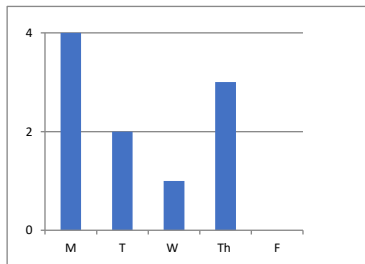
5. Give this diagram reflective symmetry about the dotted line.



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



6. Dave was set 14 homeworks in one week. Complete the bar chart for the number of homeworks he received on Friday?



9. Arrange these numbers in ascending order

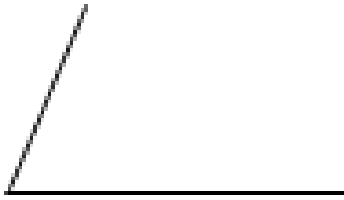
2, -4, 5, 0, -6, 6

7. Estimate the capacity (volume of liquid the can holds) of a can of coke in millilitres.

10. Round 1339 to the nearest hundred.

<p>11. Circle the square numbers in the list below</p> <p>1 3 4 7 9 14</p> <p>16 20 25</p>	<p>14. I think of a number, multiply it by 4 and subtract 5. My answer is 19. What number was I thinking of?</p>
<p>12. Simplify</p> $a + b + c + b + c + c$	<p>15. At night the temperature was -3°C. During the day it rose by 12°C. What was the daytime temperature?</p>
<p>13. If $y=11$ what is the value of $4y$? ($4y$ means 4 times y)</p>	<p>16. What is the mean of the following numbers:</p> <p>10, 20, 10, 40</p>

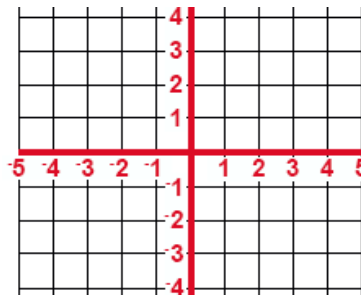
17. Measure this angle using a protractor.



19. If you choose a letter at random from the word PROBABILITY, what is the probability of choosing the letter I?

18. Convert 75% into a fraction.

20. On the grid, plot the point $(-3, -1)$



Total:

