

# Homework 4 Core

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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. A triangle has height 5cm and base 6cm. What is its area?

3. Subtract 58 from 110 (show working)



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

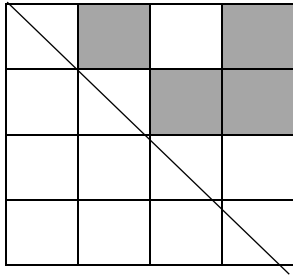
14		
5		
8		4

4. Complete the calculation. Show your working.

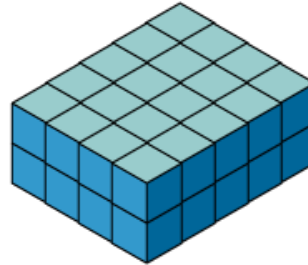
$$\begin{array}{r} 206 \\ \times 9 \\ \hline \end{array}$$



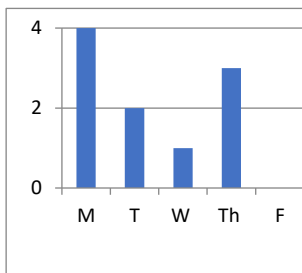
5. Give this diagram reflective symmetry about the dotted line.



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



6. Ed was set 13 homeworks in one week. Complete the bar chart for the number of homeworks he received on Friday?



9. Arrange these numbers in ascending order

2.2, 0.2, 0.02, 0.22, 0.002

7. Estimate the height of your classroom door in cm.

10. Round 5399 to the nearest thousand.

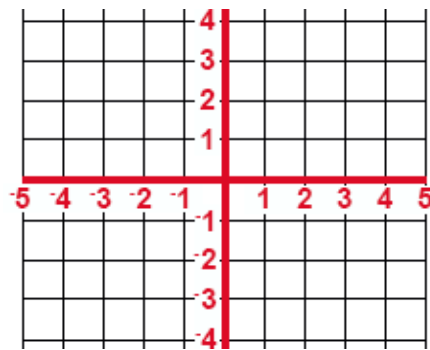
<p>11. Circle the multiples of 3 in the list below</p> <p>13 23 27 36 40 42 57 60</p>	<p>14. I think of a number, multiply it by 3 and subtract 9. My answer is 51. What number was I thinking of?</p>
<p>12. Simplify:</p> $3a + 9a$	<p>15. At night the temperature was <math>-10^{\circ}\text{C}</math>. During the day it rose by <math>17^{\circ}\text{C}</math>. What was the daytime temperature?</p>
<p>13. If <math>y=5</math>, what is the value of <math>8y</math>?</p>	<p>16. What is the mean of the following numbers:</p> $1, 4, 2, 5, 3$

17. Use a protractor to draw an angle of 40 degrees.

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

18. Convert 57% into a decimal.

20. On the grid, plot the point (0, 3)



Total:

