

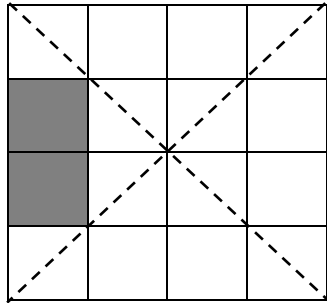
Homework 7 Core

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.

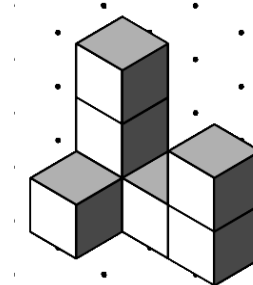
Due in:

<p>1. A triangle has height 3cm and base 9cm. What is its area?</p>	<p>3. Subtract 436 from 520 (show working)</p>
<p>2. Using the digits 1, 2, 3, 4 and 5 to complete the calculation</p> $\square\square = \square\square \times \square$	<p>4. Work out $184 \div 4$ Show working.</p>

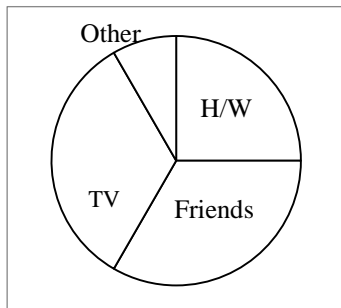
5. Give this diagram reflective symmetry about the dotted lines.



8. How many cubes are needed to make the following shape?



6. The pie chart shows how Fiona spends her evenings. Roughly what % of her time is spent doing other things?



9. Arrange these numbers in **descending** order

0.4, 0.01, 2, 30, 5.5

7. Estimate 4.78×5.03 (show how you did it)



10. Round 9.8625 to the two decimal places.

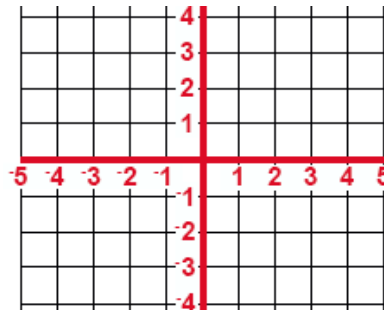
<p>11. Circle the factors of 20 in the list below</p> <p>1 2 3 4 5 6 7 8 9 10</p> <p>Which factor is missing?</p>	<p>14. I think of a number, subtract 3 then times by 2. My answer is 10. What number was I thinking of?</p>
<p>12. Simplify</p> $8a + 3b + 9a + 10b + 2a$	<p>15. At night the temperature was -24°C. During the day it was -6°C. What is the difference between these temperatures?</p>
<p>13. If $a=10$ and $b=5$, what is</p> $a + 2b$	<p>16. What is the range of the following numbers:</p> <p>4, 6, 2, 8, 3, 6, 4, 3, 8, 4,</p> <p>2, 8, 8, 4, 2, 8</p>

17. Use a protractor to draw a reflex angle of 200 degrees.

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

18. Convert 0.64 into a percentage.

20. On the grid, plot three points with an x coordinate of 2 i.e. (2, ?), (2, ?) (2, ?). Join them up and label the line $x=2$.



Total:

