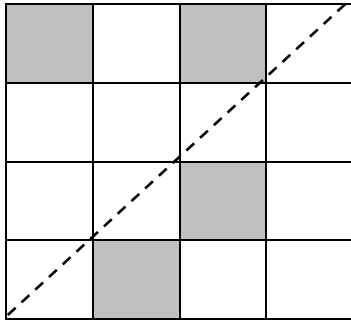# Homework 6 Core

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.
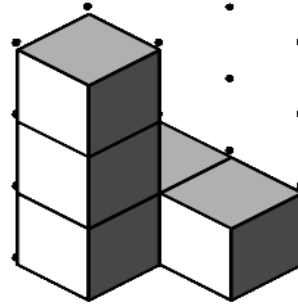Due in:

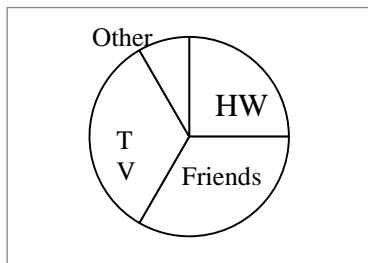|	
1. A parallelogram has height 4cm and base 8cm. What is its area?	3. Add together 9, 99, and 999 (show working)
2. Using the digits 2, 7, 8 and 9 to complete the calculation ☐☐ = ☐ × ☐	4. Work out 365 ÷ 5. Show working

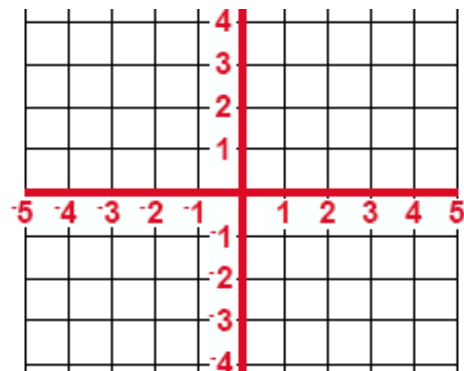|	
5. Give this diagram reflective symmetry about the dotted lines.	8. How many cubes are needed to make the following shape?
6. The pie chart shows how Fiona spends her evenings. Roughly what % of her time is spent with friends?	9. Arrange these numbers in **descending** order 0.088, 0.2, 0.09, 0.13, 0.47
7. Estimate the length of a paper clip in cm.	10. Round 5.883 to the one decimal place.

11. Circle the multiples of 7 in the list below: 21 23 28 33 35 39 44 49 56	14. I think of a number, divide it by 3 and add 4. My answer is 8. What number was I thinking of?
12. Simplify 6a + 5a + 3b + 9b	15. At night the temperature was -12°C. During the day it was 13 °C. What is the difference between these temperatures?
13. If y=50 what is the value of y÷10?	16. What is the mode of the following numbers: 4, 6, 2, 8, 3, 6, 4, 3, 8, 4, 2, 8, 8, 4, 2, 8

17. Use a protractor to draw an angle of 100 degrees.	19. If you choose a letter at random from the word PROBABILITY, what is the probability of choosing a vowel?
18. Convert 8% into a decimal.	20. On the grid, plot the point (0, 0)

Total: