Homework 8 Core
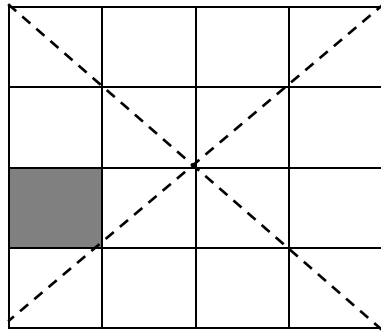
Where a question asks you to show working a correct answer will only be awarded a mark for a correct WRITTEN method. The method you use is more important than the actual answer in helping you to progress in maths.
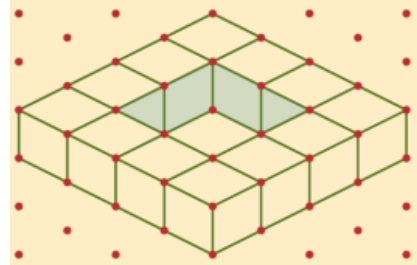Due in:

1. A parallelogram has height 9cm and area 45cm^2. What is the length of its base?	3. Add all the whole numbers from 1 to 10 (show working)
2. Using the digits 2, 3, 5, 5, and 7 to complete the calculation ☐☐ = ☐☐ x ☐	4. Work out 512 ÷ 8 Show working

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

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

6. Complete the pictogram to show 12 boys and 10 girls

key ☺ *= 4 people*

Boys	
Girls	

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

-4, 0, 2, 10, -11, 0.5

7. Estimate 582 x 3.567 (show how you did it)
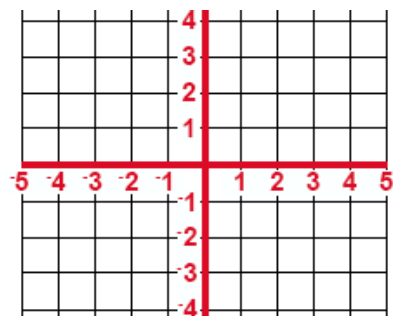
10. Round 10.005 to the two decimal places.

11. Circle the prime numbers in the list below *(prime numbers cannot be divided by any whole number apart from 1 and the number itself)* 2 3 4 5 6 7 8 9 10 11 12	14. I think of a number, add 8 then times by 4. My answer is 40. What number was I thinking of?
12. Simplify $10a - 6a + 3b + 2b$	15. At night the temperature was -19°C. During the day it was -2°C. What is the difference between these temperatures?
13. If a=8 and b=9, what is $10a+b$	16. What is the range of the following numbers: 13, 8, 24, 17, 19, 26, 25, 16, 9

17. Use a protractor to draw a reflex angle of 270 degrees.	19. If you choose a card at random from a pack of cards, what is the probability you choose a red card?
18. Convert 0.175 into a percentage.	20. On the grid, plot three points with an y coordinate of 3 i.e. (?, 3), (?, 3), (?, 3). Join them up and label the line y=3.

Total: