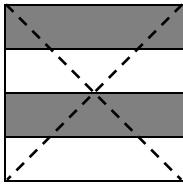# Homework 9 Core

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.
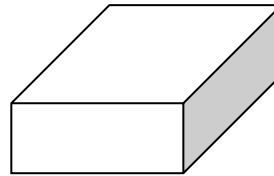Due in:

1. A parallelogram has height 8cm and area 32cm^2. What is the length of its base?	3. Add all the whole numbers from 11 to 20(show working)
2. Using the digits 1, 2, 2, 6 and 7 to complete the calculation ☐☐ = ☐☐ × ☐	4. Work out 2046 ÷ 3 Show working

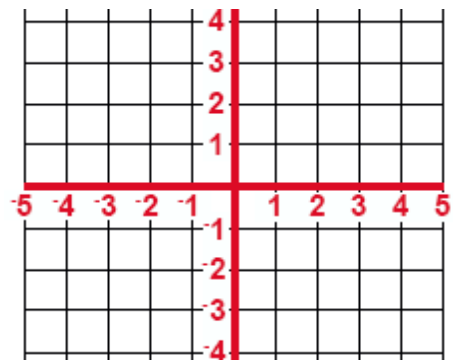|	
5. Give this diagram reflective symmetry about the dotted lines.	8. How many cm cubes are needed to make a cuboid measuring 4cm by 2cm by 1cm?
6. Complete the pictogram to show 18 boys and 2 girls *key* ☺ *= 4 people* Boys Girls	9. Between each pair of numbers put either > or < 5 7 -3 3 0.2 0.1 -4 -5 0.5 0.05 0 -3
7. Estimate 823 x 7.003 (show how you did it)	10. Round 8.999 to the two decimal places.

11. Circle the prime numbers in the list below
 	
   13 14 15 16 17 18 19
 	
      20 21 22
	14. I think of a number, add 5 then times by 10. My answer is 120. What number was I thinking of?

12. Simplify *7d + 6e – 4d – 3e*	15. At night the temperature was -7.5°C. During the day it was 3°C. What is the difference between these temperatures?
13. If a=2 and b=4, what is ab (this means a times b)	16. What is the mean of the following numbers: 6, 4, 7, 3, 5, 4, 8, 3

17. Use a protractor to draw a right angle.	19. If you choose a card at random from a pack of cards, what is the probability you choose a king?
18. Convert ¾ into a percentage.	20. On the grid, plot three points with an y coordinate of 1 i.e. (?, 1), (?, 1), (?, 1). Join them up and label the line y=1.

Total: