Homework 3 Extension

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. Work out $$\sqrt[3]{8}$$	3. Round 0.002391 to 2 significant figures
2. Calculate 364 ÷ 14 (show working)	4. 8 out of 20 people said they watched Eastenders last night. Calculate the angle you would use in a pie chart

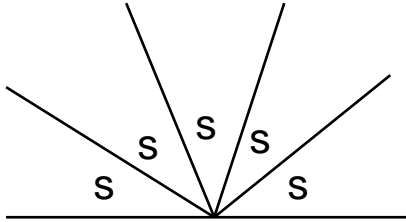|	
5. Find the nth term for the following sequence 8, 14, 20, 26 …	8. The point (5, 9) is translated 6 left and 3 down. What are the coordinates of the transformed point?
6. Solve the equation $5x = 2x + 33$	9. Work out -3 x -9 + -2
7. If $x = 12$ and $y = 6$ work out $x^2 + y^2$	10. If $t = -3$, work out $(4t)^2$

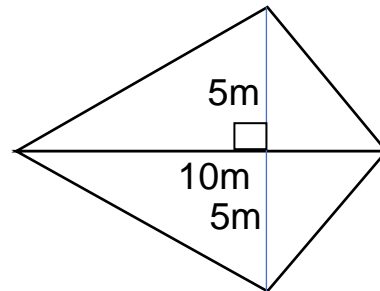|	
11. Calculate the missing angle, 	14. There are 4 red and 5 blue counters in a box. A counter is chosen and then replaced. If you did this 180 times, how many times would you expect to get a blue?
12. What do the angles in an octagon add up to?	15. Find 355 of 80.
13. A card is chosen at random from a pack of cards. Find the probability of choosing a picture card.	16. Find $\frac{5}{12}$ of 96.

17. Which two lines are parallel?
 	
y = 5x – 6
 	
      y = 6 – 5x
 	
          y = 6 + 5x
	19. Find the area of this shape.
	
	5m
	10m
	5m

18. Share £40 in the ratio 5:3.	20. Find the mean of these numbers 3, 6, 4, 7, 7, 8, 7

Total:

★

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