Homework 17

Where a question asks you to show working, you will only be awarded the mark for a correct answer if it is supported by an appropriate method

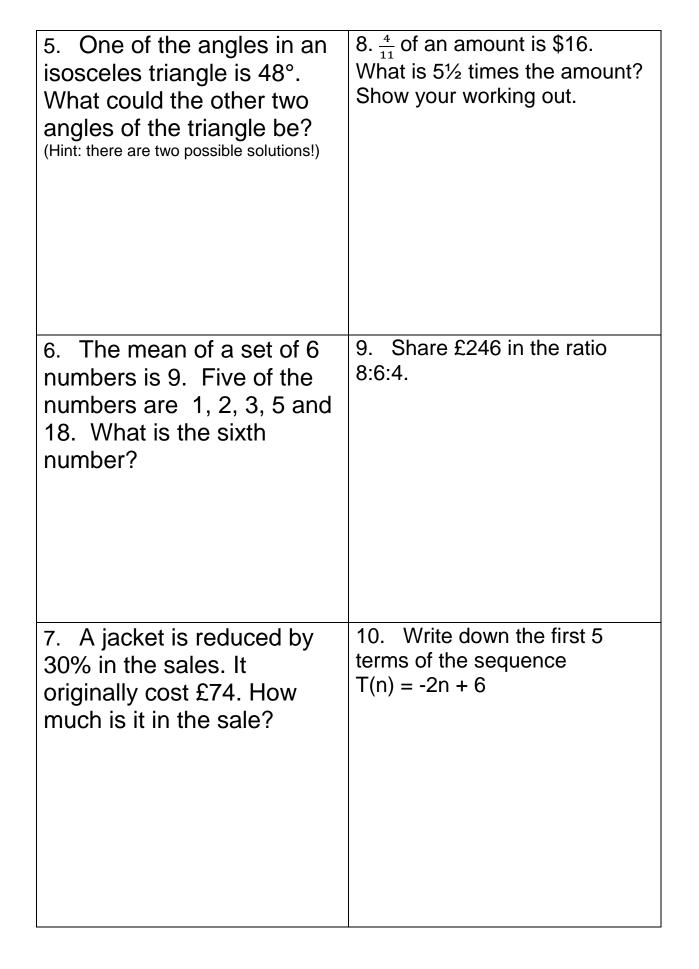
Due in:

1. The diameter of a circle is			
68mm. Calculate its area.			
Give your answer correct to			
2dp			

3. Using a clear written method:

$$\frac{4}{7} + \frac{3}{5}$$

- 2. Find the LCM of 9 and 24.
- 4. Simplify the following expression.

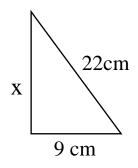


11.	Solve the	equation:
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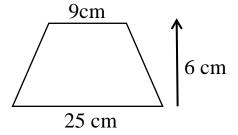
$$3(5x - 1) = 4(3x + 2) + 1$$

14. Round 439.614 to 2 significant figure.

- 12. Convert 63 gallons into litres.
- 15. Calculate the length of the side marked x. Show your working giving your answer to 1 decimal place.



13. Calculate the area of the shape:



16. Expand and simplify:

$$(x + 9)(2x - 4)$$

17. Construct a 60° angle using compasses and a straight edge.	19. What is a regular polygon with an exterior angle of 36° called?
18. A triangle base 4 cm and height 11 cm is enlarged by a scale factor of 2. What is the area of the new rectangle?	20. Write the equation of a line which is parallel to: $y = 8 - 3x$

Total:

