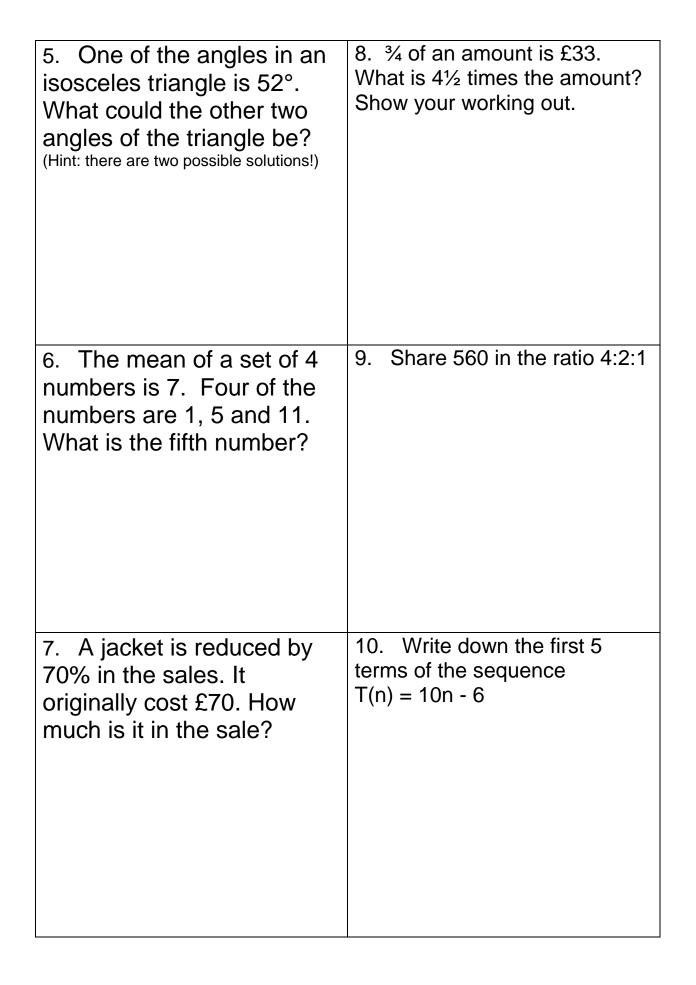
Homework 14

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:

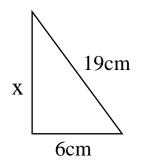
1. The diameter of a circle is 53cm. Calculate its area. Give your answer correct to 2dp	3. Using a clear written method: Add five-twelfths and four-fifths.
2. Find the LCM of 8 and 12.	4. Simplify the following expression. $a^3 \times a^9 \div a^{-2}$



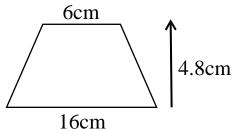
$$5(2x + 7) = 4x - 1$$

14. Round 72.53 to 1 significant figure.

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:

$$(m + 8)(m - 3)$$

17. Construct perpendicular bisector using compasses and a straight edge.	19. How many sides does a regular polygon with an exterior angle of 18° have?
10. A rootongle base 4 5 am	20. Write the equation of a
18. A rectangle base 4.5cm and height 11.5cm is enlarged by a scale factor of 4. What is the perimeter of the new rectangle?	20. Write the equation of a line which is parallel to: $y = -3x + 4$

Total:

