## Homework 19

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 <br> 248mm. Calculate its area. <br> Give your answer correct to <br> 2dp | 3. Using a clear written <br> method: |
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| 5. One of the angles in an <br> isosceles triangle is $92^{\circ}$. | 8. $\frac{3}{8}$ of an amount is \$18. What <br> is 4 times the amount? <br> What could the other two <br> Show your working out. <br> angles of the triangle be? <br> (Hint: there are two possible solutions!) |
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| The mean of a set of 5 <br> numbers is 4. Four of the <br> numbers are 2, 3, 5 and 9. | Th. Share £336 in the ratio <br> What is the fifth number? |


| 11. Solve the equation: $5(2 x+3)-2(x-4)=79$ | 14. Round 1578 to 2 significant figures. |
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| 12. Convert 58 litres into pints. | 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: $(2 x-3)(5 x+2)$ |


| 17. Construct a perpendicular <br> from the point marked through <br> the line using compasses and <br> a straight edge. | 19. What is a regular polygon <br> with an exterior angle of $11.25^{\circ}$ <br> called? <br> (You will need to look the name up) |
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## Total:

