Homework 20

Due in:

1. 27.3 x 0.25 (must show a WRITTEN method)	3. $3\frac{1}{9} - 2\frac{3}{5}$
2. Write the number below as an ordinary number. 3.42 x 10^5	4. $\frac{3}{4}$ x $\frac{4}{5}$ x 30

5. Evaluate $(4 + 3)^2 + 3^3$	8. . If 6 numbers have a mean of 6, and five of the numbers are 3, 7, 2, 9, and 4, what is the sixth number?
6. Calculate; 673 x 19 – 9 x 673	9. Estimate the mean from this frequency table. | x	0 -	2 -	4-	6 - 8
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f	3	8	4	1	
7. 72 pupils are asked for their favourite food and 8 say pizza. What angle would this be on a pie chart?	10. Factorise; $x^2 – 7x +12$

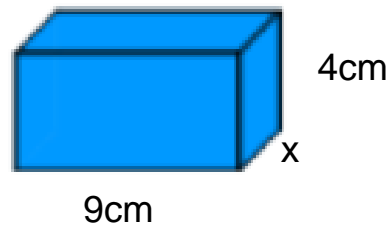| 11. Solve $3(5x + 4) = 42$	14. A dice is rolled and a coin is flipped. What is the probability of getting a head and a number greater than 4?
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12. Make b the subject $$a = \frac{2b + 4}{3}$$	15. What is the area of a semi-circle is 42cm^2. What is the diameter?
13. Alice, Ben and Charlie share some money in the ratio 7:5:2 Alice receives £15 more than Charlie, how much money does Ben receive?	16. Write 48 as a percentage of 63.

17. Find the perimeter of a sector radius 7cm and angle 240°.	19.The surface area of the cuboid is 228cm^2. Find the volume. 4cm x 9cm
18. After an decrease of 20%, the jacket now cost £48, what was its original price?	20. Simplify; $\dfrac{32ab \times a^2b}{8bc}$

Total: