Homework 22

Due in:

1. 0.013 x 0.032 (must show a WRITTEN method)	3. $1\frac{2}{3} \div 2\frac{1}{4}$
2. Write the number below in standard form. 0.00025	4. $\frac{5}{9} \times \frac{2}{5} \times 90$

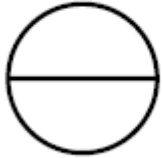|	
5. Evaluate 2^3 x 6 + $(3 - 7)^2$	8. If five numbers have a mean of 12, and four of the numbers are 2, 19, 30 and 17, what is the fifth number?
6. Calculate; 281 x 37 + 37 x 719	9. Estimate the mean from this frequency table. | x	0 -	1 -	2 -	3 -
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f	4	0	8	3	
7. 120 pupils are asked for their favourite food and 15 said lasagne. What angle would this be on a pie chart?	10. Factorise; x^2 + 8x - 20

11. Solve $6(10 - 2x) => -24$	14. The probability that a seed will not germinate is 0.3. In a packet of 200 seeds how many will germinate?
12. Make b the subject $$a = \frac{4 - 3b}{6}$$	15. The area of a sector of a circle of 125cm^2. It has a radius of 10cm. What is the angle of the sector to the nearest whole number?
13. Alice, Ben and Charlie share some money in the ratio 2:5:7. Alice and Ben receive a total of £42. How much did Charlie receive?	16. Write 68 as a percentage of 135.

17. The circumference of the circle is 14cm. Find the area correct to 1dp.	19. A cylinder has a radius of 10cm and height of 20cm.
	Find the surface area of the cylinder.
18. After an increase of 10%, the boots now cost £55, what was their original price?	20. Simplify; $$\frac{7a^5b^4c^6 \times 6a^4}{21(bc)^3}$$

Total: