Homework 21

Due in:

1. 0.64 ÷ 0.008 (must show a WRITTEN method)	3. $5\frac{1}{5} - 2\frac{2}{4}$
2. Write the following as an ordinary number 1.26 x 10^8	4. $\frac{2}{5} \times \frac{5}{8} \times 40$

5. Evaluate $(8-3)^2 \times (2-5)^2$	8. If five numbers have a mean of 10, and four of the numbers are 8, 11 and 14, what is the fifth number?
6. Calculate; 37 x 4 + 16 x 37	9. Estimate the mean from this frequency table. | x	5 -	6 -	7 -	8 - 9
---	---	---	---	---
f	7	2	9	6	
7. 18 pupils are asked for their favourite dessert and 4 say chocolate cake. What angle would this be on a pie chart?	10. Factorise; $x^2 - 3x - 10$

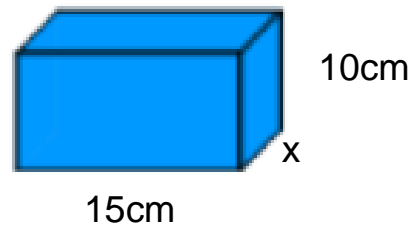|	
11. Solve $8(3x - 7) = 64$	14. A spinner has four colours the table below shows the probability a colour will be selected. | Col	R	G	B	Y
---	---	---	---	---
Prob	0.32	x	0.4	x	 What is the probability of the spinner showing yellow?
12. Make b the subject $$a = \frac{7 + 5b}{2}$$	15. The area of a circle is $68cm^2$. What is the circumference of the circle?
13. Alice, Ben and Charlie share some money in the ratio 11:15:3. Ben receives £12 more than Alice, how much money does Charlie receive?	16. Write 72 as a percentage of 160.

17. Find the perimeter of a sector radius 11cm, angle 240°.	19. The surface area of the cuboid is =900cm². Find the volume. 10cm x 15cm
18. After an decrease of 10%, the shirt now cost £27, what was its original price?	20. Simplify; $$\frac{10a^2b^2 \times b^5c^3}{5b^3c^7}$$

Total:

★

★