
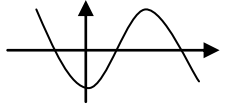

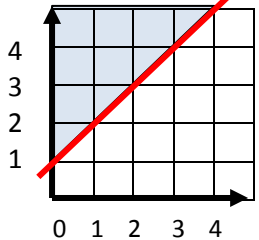







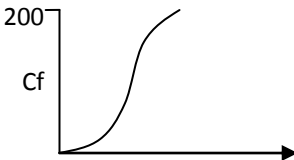



Name _____

Date _____

Class _____

Section A: Numbers & calculating		Section B: Algebra & Shape, space & measures		Section C: Using and applying	
8.1 1. Write $\frac{2}{3}$ as a recurring decimal 		8.4 11. Factorise: $a^2 - 3a - 28$		21. Linear-Quadratic-Cubic-Reciprocal Which function is represented by this graph? 	
8.1 2. Write 0.06 as a fraction		8.4 12. Factorise: $p^2 - q^2$			
8.2 3. Work out the balance for £500 invested for 3 years at 4.2% per annum 		8.5 14. Multiply & simplify: $(b + 5)(2b + 3)$		22. What inequality is represented here? 	
8.2 4. The value of a Wii depreciates by 24% per year. Work out the current value of a Wii bought 3 years ago for £240. 		8.5 14. Multiply & simplify: $(a - b)^2$			
8.2 5. In a '40% off' sale, a dress was £36. Work out the original price. 		8.6 15. Make w the subject of the formula: $P = \frac{2w + 7}{12}$		23. On a spinner: $P(3) = \frac{3}{8}$ and the $p(4) = \frac{3}{8}$ What is the probability of getting 3 or 4 	
8.2 6. The cost of a phone has increased by 15% to £161. Work out the original price. 		8.6 16. Make d the subject of the formula: $ad = dx + cx$			
8.3 7. Write 0.076 in standard form:		8.7 <u>Give your answer correct to 3sf</u>  17. $A = \pi r^2 - \pi rs$ Find A when $r = 4.2$ $s = 3.8$		24. A courgette seed and a pumpkin seed is planted. $P(\text{courgette seed germinates}) = \frac{7}{8}$ $P(\text{pumpkin seed germinates}) = \frac{1}{4}$ What is the probability that BOTH seeds germinate?	
8.3 8. Write 4.44×10^7 as an ordinary number		8.7 <u>Give your answer correct to 3sf</u>  18. $\frac{1}{u} + \frac{1}{v} = \frac{1}{f}$ Find f when $u = 1\frac{1}{2}$ & $v = 2\frac{1}{2}$			
8.3 9. Work out $(4 \times 10^8) \div (8 \times 10^2)$ Give your answer in standard form		8.12  19. If $\sin 52^\circ = \frac{x}{10}$, find x (3sf)		25. Show on the cumulative frequency graph how to take the inter-quartile range reading 	
8.3 10. Work out $(3.72 \times 10^6) - (2.8 \times 10^4)$ Give your answer in standard form 		8.13 LENGTH or AREA or VOLUME 20. Which measure does this expression represent: $xy^2 + x^3$			
Total (A)		Total (B)		Total (C)	
Test Total (A+B+C)		R (0-9)	Y (10-19)	G (20-25)	