
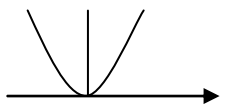

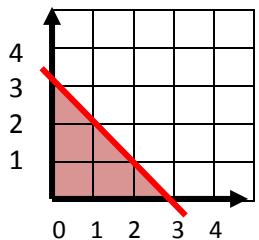






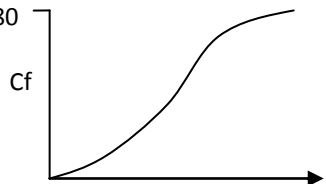



Name _____

Date _____

Class _____

Section A: Numbers & calculating		Section B: Algebra & Shape, space & measures		Section C: Using and applying	
8.1 1. Write $\frac{5}{11}$ as a recurring decimal 		8.4 11. Factorise: $x^2 + 7x + 6$		21. Linear-Quadratic-Cubic-Reciprocal Which function is represented by this graph? 	
8.1 2. Write 0.27 as a fraction		8.4 12. Factorise: $x^2 - 36$			
8.2 3. Work out the balance for £3000 invested for 3 years at 5% per annum 		8.5 14. Multiply & simplify: $(3x + 4)(x + 1)$		22. What inequality is represented here? 	
8.2 4. The value of a car depreciates by 24% per year. Work out the current value of a car bought 3 years ago for £20000. 		8.5 14. Multiply & simplify: $(2x + 5)^2$			
8.2 5. In a '20% off' sale, a coat was £68. Work out the original price. 		8.6 15. Make r the subject of the formula: $V = \pi r^2 h$		23. On a spinner: $P(3) = \frac{1}{8}$ and the $p(4) = \frac{3}{8}$  What is the probability of getting 3 or 4	
8.2 6. The cost of a scooter has increased by 20% to £144. Work out the original price. 		8.6 16. Make b the subject of the formula: $S = ab - bc$			
8.3 7. Write 63000 in standard form:		8.7 17. $S = \frac{u^2 + v^2}{2a}$ Find S when, $u = -4$ $v = -2$ $a = 5$		24. A courgette seed and a pumpkin seed is planted. $P(\text{courgette seed germinates}) = \frac{5}{6}$ $P(\text{pumpkin seed germinates}) = \frac{1}{6}$ What is the probability that BOTH seeds germinate?	
8.3 8. Write 1.6×10^{-2} as an ordinary number		8.7 18. $D = ut + kt^2$ Find D when $u = 10$  $t = 1.4$ $k = -3$			
8.3 9. Work out $(3 \times 10^5) \times (2 \times 10^4)$ Give your answer in standard form		8.12 19. If $\tan x = \frac{7}{12}$, find x (3sf) 		25. Show on the cumulative frequency graph how to take the median reading 	
8.3 10. Work out $(6.67 \times 10^8) \div (4.6 \times 10^{-3})$  Give your answer in standard form		8.13 LENGTH or AREA or VOLUME 20. Which measure does this expression represent: 4abc			
Total (A)		Total (B)		Total (C)	
Test Total (A+B+C)		R (0-9)	Y (10-19)	G (20-25)	