
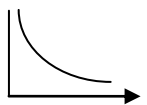

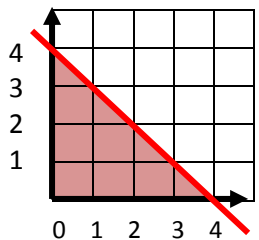






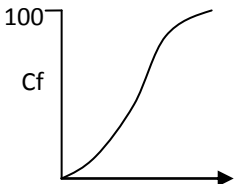



Name \_\_\_\_\_

Date \_\_\_\_\_

Class \_\_\_\_\_

Section A: Numbers & calculating		Section B: Algebra & Shape, space & measures		Section C: Using and applying	
8.1 1. Write $\frac{3}{11}$ as a recurring decimal 		8.4 11. Factorise: $x^2 + 5x + 4$		21. <b>Linear-Quadratic-Cubic-Reciprocal</b> Which function is represented by this graph? 	
8.1 2. Write 0.29 as a fraction		8.4 12. Factorise: $x^2 - 9$			
8.2 3. Work out the balance for £4500 invested for 2 years at 4% per annum 		8.5 13. Multiply & simplify: $(2a + 1)(a + 3)$		22. What inequality is represented here? 	
8.2 4. The value of a car depreciates by 35% per year. Work out the current value of a car bought 2 years ago for £20000. 		8.5 14. Multiply & simplify: $(3x - 2)^2$			
8.2 5. In a '20% off' sale, a coat was £220. Work out the original price. 		8.6 15. Make r the subject of the formula: $A = \pi r^2$		23. On a spinner: $P(3) = \frac{3}{8}$ and the $p(4) = \frac{1}{3}$  What is the probability of getting 3 or 4	
8.2 6. The cost of a scooter has increased by 20% to £72. Work out the original price. 		8.6 16. Make t the subject of the formula: $S = at + bt$			
8.3 7. Write 84000 in standard form:		8.7 17. $S = \frac{u^2 + v^2}{2a}$ Find S when, $u = -1$ $v = -2$ $a = 2$		24. A courgette seed and a pumpkin seed are planted. $P(\text{courgette seed germinates}) = \frac{5}{8}$ $P(\text{pumpkin seed germinates}) = \frac{3}{4}$ What is the probability that BOTH seeds germinate?	
8.3 8. Write $2.4 \times 10^{-2}$ as an ordinary number		8.7 18. $D = ut + kt^2$ Find D when $u = 20$  $t = 1.2$ $k = -5$			
8.3 9. Work out $(4 \times 10^4) \times (2 \times 10^3)$ Give your answer in standard form		8.12 19. If $\tan x = \frac{3}{8}$ , find x (3sf) 		25. Show on the cumulative frequency graph how to take the median reading 	
8.3 10. Work out $(6.3 \times 10^7) \div (4.2 \times 10^2)$  Give your answer in standard form		8.13 LENGTH or AREA or VOLUME 20. Which measure does this expression represent: <b><math>ab + bc</math></b>			
Total (A)		Total (B)		Total (C)	
Test Total (A+B+C)		R (0-9)	Y (10-19)	G (20-25)	