


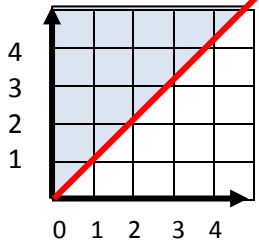







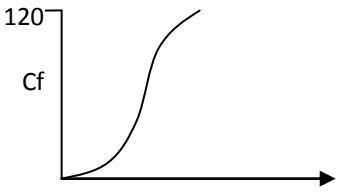



Name _____

Date _____

Class _____

Section A: Numbers & calculating		Section B: Algebra & Shape, space & measures		Section C: Using and applying	
8. 11. Write $\frac{7}{9}$ as a recurring decimal 		8.4 11. Factorise: $x^2 - 9x - 10$		21. Linear-Quadratic-Cubic-Reciprocal Which function is represented by this graph? 	
8.1 2. Write 0.36 as a fraction		8.4 12. Factorise: $y^2 - 169$			
8.2 3. Work out the balance for £720 invested for 4 years at 5% per annum 		8.5 14. Multiply & simplify: $(3x - 1)(3x + 1)$		22. What inequality is represented here? 	
8.2 4. The value of a house depreciates by 8% per year. Work out the current value of a house bought 2 years ago for £180000. 		8.5 14. Multiply & simplify: $(2x + 5)^2$			
8.2 5. In a '70% off' sale, a hat was £33.60. Work out the original price. 		8.6 15. Make s the subject of the formula: $v^2 = u^2 + 2as$		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 fridge has increased by 15% to £828. Work out the original price. 		8.6 16. Make n the subject of the formula: $A = 5mn + pn$			
8.3 7. Write 41500 in standard form:		8.7 Give your answer correct to 3sf  17. $A = \pi r^2 - \pi rs$ Find A when, $r = 6.5$ and $s = 2.5$		24. A courgette seed and a pumpkin seed is planted. $P(\text{courgette seed germinates}) = \frac{3}{8}$ $P(\text{pumpkin seed germinates}) = \frac{1}{2}$ What is the probability that BOTH seeds germinate?	
8.3 8. Write 3×10^{-3} as an ordinary number		8.7 Give your answer correct to 3sf  18. $V = \frac{1}{3} \pi h(a^3 - b^3)$ Find V when $b = 7$, $h = 5$ and $a = 10$			
8.3 9. Work out $(7 \times 10^3) \times (8 \times 10^2)$ Give your answer in standard form		8.12  19. If $\tan 63^\circ = \frac{x}{4}$, find x (3sf)		25. Show on the cumulative frequency graph how to take the upper quartile reading 	
8.3 10. Work out $(1.69 \times 10^8) \times (5.2 \times 10^3)$  Give your answer in standard form		8.13 LENGTH or AREA or VOLUME 20. Which measure does this expression represent: $3(a + b)$			
Total (A)		Total (B)		Total (C)	
Test Total (A+B+C)		R (0-9)	Y (10-19)	G (20-25)	