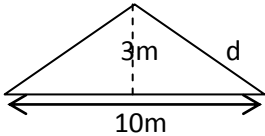


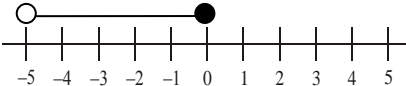


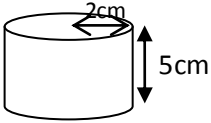



Name _____		Date _____		Class _____	
Section A: Numbers & calculating		Section B: Algebra		Section C: Using and applying	
7.1 1. To increase an amount by 5.4%, what single multiplier would you use?		7.6 11. Expand & simplify: $(x + 3)(x - 5)$		21.  To find 'd' choose one calculation: $\sqrt{5^2 + 3^2}$ OR $\sqrt{10^2 - 3^2}$ OR $\sqrt{5^2 - 3^2}$	
7.1 2. To decrease an amount by 73%, what single multiplier would you use?		7.6 12. Expand & simplify: $(x - 7)(x - 1)$			
7.2 3. Increase £3000 by 5.4% 		7.8 14. Solve: $2x - 1 > 3$		22. 40 is rounded to the nearest whole. Write down the minimum possible length it could have been.	
7.2 4. Decrease £280 by 73% 		7.8 14. Give the inequality 			
7.3 5. Without a calculator work out: 6×0.2		7.9 15. Make c the subject of the formula: $A = c + d$		23. It took 5 hours to drive from Durham to Birmingham. The average speed was 48mph. What is the distance from Durham to Birmingham?	
7.3 6. Without a calculator work out: $9 \div 0.3$		7.9 16. Work out the value of: $xy + 5$ When $x = 2$ and $y = -3$			
7.4 7. Round off 0.267 to one significant figure		7.10 17. Write down the next term in this sequence: 49 36 25 16 ...		24. The relative frequency of a drawing pin falling pin up was $\frac{3}{8}$. How many times would you expect it to fall pin up in 120 drops?	
7.4 8. Estimate the answer to: $3987 \div 213$		7.10 18. Write down the 5 th term in the sequence given by: $T(n) = n^2 + 2n$			
7.5 9. Use a calculator to work out: (1dp)  $\sqrt{(2.4 \times 1.9)} \div 2.03$		7.11 19. If $y = x^2 - x$, find the value of y when $x = -4$		25. Use π on the calculator  Work out the volume of this prism? (Correct to 1 decimal place) 	
7.5 10. Use a calculator to work out: (1dp)  $\sqrt[3]{81} \times 1.5^3$		7.11 20. If $y = x^3 + x$, find the value of y when $x = -2$			
Total (A)		Total (B)		Total (C)	
Test Total (A+B+C)		R (0-9)		Y (10-19)	
				G (20-25)	