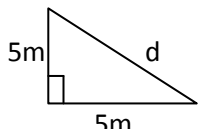


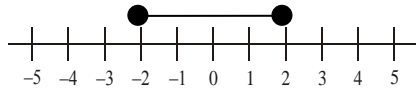


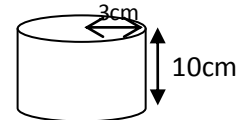



Name _____		Date _____		Class _____	
Section A: Numbers & calculating		Section B: Algebra		Section C: Using and applying	
7.1 1. To increase an amount by 4.6%, what single multiplier would you use?		7.6 11. Expand & simplify: $(x + 6)(x + 6)$		21.  To find 'd' choose one calculation: $\sqrt{5^2 + 5^2}$ OR $\sqrt{5^2 - 5^2}$	
7.1 2. To decrease an amount by 4%, what single multiplier would you use?		7.6 12. Expand & simplify: $(x - 5)(x - 4)$			
7.2 3. Increase £500 by 4.6% 		7.8 14. Solve: $2x > 7$		22. 10.2cm is rounded to one decimal place. Write down the maximum possible length it could have been.	
7.2 4. Decrease £1280 by 4% 		7.8 14. Give the inequality 			
7.3 5. Without a calculator work out: 6×0.6		7.9 15. Make c the subject of the formula: $A = cd$		23. Sam ran at 6km/h for 2h 20min. What distance did he run?	
7.3 6. Without a calculator work out: $30 \div 0.5$		7.9 16. Work out the value of: $5x - 2y$ When $x = -2$ and $y = -3$			
7.4 7. Round off 0.521 to one significant figure		7.10 17. Write down the next term in this sequence: 4 7 13 22 34 ...		24. 500 tickets are sold for a prize draw. The probability that Bill wins first prize is $\frac{1}{20}$. How many tickets did he buy?	
7.4 8. Estimate the answer to: $3772 \div 44$		7.10 18. Write down the 3 rd term in the sequence given by: $T(n) = n^2 + n$			
7.5 9. Use a calculator to work out: (1dp)  $\sqrt{16.75 + 1.53^2}$		7.11 19. If $y = x^2 + 2x$, find the value of y when $x = -2$		25. <u>Use π on the calculator</u>  Work out the volume of this prism? (Correct to 1 decimal place) 	
7.5 10. Use a calculator to work out: (2dp)  $\frac{7.34 \times 4.71}{5.63 + 11.89}$		7.11 20. If $y = x^3 - 3$, find the value of y when $x = -3$			
Total (A)		Total (B)		Total (C)	
Test Total (A+B+C)		R (0-9)	Y (10-19)	G (20-25)	