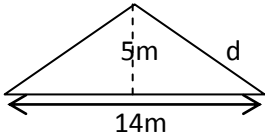


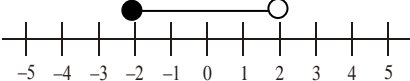


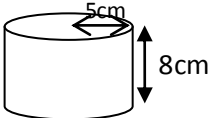



Name _____		Date _____		Class _____	
Section A: Numbers & calculating		Section B: Algebra		Section C: Using and applying	
7.1 1. To increase an amount by 3.2%, what single multiplier would you use?		7.6 11. Expand & simplify: $(x - 1)(x + 6)$		21.  To find 'd' choose one calculation: $\sqrt{7^2 + 5^2}$ OR $\sqrt{14^2 - 5^2}$ OR $\sqrt{7^2 - 5^2}$	
7.1 2. To decrease an amount by 60%, what single multiplier would you use?		7.6 12. Expand & simplify: $(x - 4)(x - 2)$			
7.2 3. Increase £400 by 3.2% 		7.8 14. Solve: $4x \leq 10$		22. 40 is rounded to the nearest whole. Write down the maximum possible length it could have been.	
7.2 4. Decrease £1280 by 60% 		7.8 14. Give the inequality 			
7.3 5. Without a calculator work out: 8×0.7		7.9 15. Make d the subject of the formula: $A = cd$		23. A block of copper weighs 2160g and has a volume of 240cm^3 . What is the density of the copper?	
7.3 6. Without a calculator work out: $20 \div 0.5$		7.9 16. Work out the value of: $xy + 5$ When $x = 2$ and $y = 3$			
7.4 7. Round off 0.482 to one significant figure		7.10 17. Write down the next term in this sequence: 1 7 17 31 49 ...		24. In an experiment the colours of 50 cars passing was recorded. 17 silver cars were recorded. What is the relative frequency of a silver car passing?	
7.4 8. Estimate the answer to: 253×46		7.10 18. Write down the 1 st term in the sequence given by: $T(n) = n^2 + 2n$			
7.5 9. Use a calculator to work out: (1dp)  $\sqrt{(3.72^2 + 5.8)}$		7.11 19. If $y = x^2 - x$, find the value of y when $x = 3$		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: (1dp)  $\sqrt[3]{81} \div 0.43$		7.11 20. If $y = x^3 + x$, find the value of y when $x = 5$			
Total (A)		Total (B)		Total (C)	
Test Total (A+B+C)		R (0-9)		Y (10-19)	
				G (20-25)	