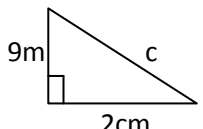


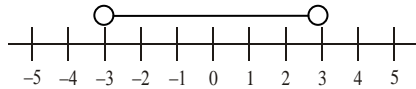

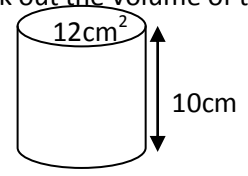



Name _____		Date _____		Class _____	
Section A: Numbers & calculating		Section B: Algebra		Section C: Using and applying	
7.1 1. To increase an amount by 24%, what single multiplier would you use?		7.6 11. Expand & simplify: $(x + 5)(x + 5)$		21.  To find 'c' choose one calculation: $\sqrt{9^2 + 2^2}$ OR $\sqrt{9^2 - 2^2}$	
7.1 2. To decrease an amount by 24%, what single multiplier would you use?		7.6 12. Expand & simplify: $(x - 5)(x + 5)$			
7.2 3. Increase 120cm by 24% 		7.8 14. Solve: $x + 8 \geq 5$		22. 5.7 is rounded to one decimals place. Write down the maximum possible it could have been.	
7.2 4. Decrease 120cm by 24% 		7.8 14. Give the inequality 			
7.3 5. Without a calculator work out: 0.5×0.8		7.9 15. Make a the subject of the formula: $T = a - 2$		23. The mass of a bar of chocolate is 1800g. The density of the chocolate is 9g/cm^3 What is its volume?	
7.3 6. Without a calculator work out: $0.8 \div 0.4$		7.9 16. Work out the value of: $5x - 2y$ When $x = 3$ and $y = 4$			
7.4 7. Round off 24.67 to one significant figure		7.10 17. Write down the next term in this sequence: -1 3 11 23 39 ...		24. If the relative frequency of a train being late is 0.15, how often could you expect the train to be late in 100days?	
7.4 8. Estimate the answer to: 7.9×103		7.10 18. Write down the 1 st term in the sequence given by: $T(n) = n^2 - 4$			
7.5 9. Use a calculator to work out: (1dp)  $3.6^2 - \sqrt{68}$		7.11 19. If $y = x^2 + 2x$, find the value of y when $x = -1$		25. Work out the volume of this prism? 	
7.5 10. Use a calculator to work out: (1dp)  $\frac{4.6 \times 3.91^2}{2.4 \times 3.78}$		7.11 20. If $y = x^3 - 3$, 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)	