Name	Date	Class
Section A:Numbers & calculating	Section B: Algebra	Section C: Using and applying
7.1	7.6	21.
1. To increase an amount by 3%, what	11. Expand & simplify:	a 5m
single multiplier would you use?	(x + 1)(x + 3)	
7.1	7.6	4m
2. To decrease an amount by 3%, what	12. Expand & simplify:	To find 'a' choose one calculation:
single multiplier would you use?	(x-5)(x+2)	$\sqrt{5^2 + 4^2}$ OR $\sqrt{5^2 - 4^2}$
7.2	7.8	22.
3. Increase 42kg by 3%	14. Solve: x - 1 < 3	123 grams is rounded to nearest whole.
7.2	7.8	Write down the minimum possible mass
4. Decrease 42kg by 3%	14. Give the inequality	it could have been.
	-5 -4 -3 -2 -1 0 1 2 3 4 5	
7.3	7.9	23.
5. Without a calculator work out:	15. Make n the subject of the for	mula: A car travels at a steady speed and takes
0.7 x 0.1	M=7n	5 hours to travel 510 miles.
7.3	7.9	Work out the average speed?
6. Without a calculator work out:	16. Work out the value of: 3x + 2y	
9 ÷ 0.1	When $x = 4$ and $y = -5$	
7.4	7.10	24.
7. Round off 4252 to one significant	17. Write down the next term in this	If the relative frequency of getting a 'six'
figure	sequence: 3 8 15 24	on a dice is 0.3, how many sixes would
7.4	7.10	you expect to get in 400 throws of the
8. Estimate the answer to:	18. Write down the 1 <sup>st</sup> term in the	dice?
122 ÷ 53	sequence given by: $T(n) = n^2 + 4$	
7.5	7.11	25.
9. Use a calculator to work out: (1dp)	19. If $y = 3x^2 + 4$ ,	Work out the volume of this prism?
$2.7^2 + 3.9^2$	find the value of y when x = 4	
7.5	7.11	
10. Use a calculator to work out: (1dp)	20. If $y = x^3 + 3$ ,	
<u>2.3 + 6.82</u>	find the value of y when $x = -1$	10m <sup>2</sup>
3.74 + 1.09		8m
Total (A)	Total (B)	Total (C)
Test Total (A+B+C)	R (0-9)	Y (10-19) G (20-25)