Name: Date: Class/Group:

A: Number 9. Algebra B: Algebra Droportion Coometry 9. Measure				Ci Coomatry & Managera Statistics & Brahability		
A: Number & Algebra 1. Write the answer in	10:1	B: Algebra, Proportion, Geometry & Measure 11. Describe the journey AB	10:13	C: Geometry & Measure, Statistics & Probability 21. 48cm³ of clay were used to make a model. How much clay would be needed	10:26	
standard form	10.1	C	10.13	to make one ½ the size of the corresponding lengths?		
$(2 \times 10^4) \times (7 \times 10^3)$		0 10 20 30 40 time in seconds		22. What is the size of angle a? Give a reason	10:19	
2. Estimate the value of 2.78^4	10:2	12. What inequality is represented here? 4 3 2 1 0 1 2 3 4	10:14	23. Here is a table of the right & left hand students in a class Work out the probability that a person chosen at random will be: Male, given that he is right handed i.e. p(M R)	10:28	
				Right-handed (R) Left-handed (L) Total Male (M) 8 3 11		
				Female (F) 5 2 7		
				Total 13 5 18		
3. Evaluate: 4 ^{3/2}	10:3	13. Find the nth term of this sequence: 0, 2, 6, 12, 20, 30	10:15	24. Complete the cumulative frequency table		
				Height frequency Height cf	\ /	
4. Convert $0.4\dot{f 5}$ to a fraction	10:4	14. Give the next two terms of this geometric sequence: 3, 3√5, 15, 15√5,,	10:16	170≤h<175 5 170≤h<175		
5. At a Pizza shop, there is	10:5	15. The population of a village of 5940 is increasing	10:17	175≤h<180 18 170≤h<180	\ /	
deep or thin base and a				180≤h<185 12 170≤h<185	l X	
topping from 6 choices. How many combinations?		by 5% per annum. Work out the population in 2 years time.		185≤h<190		
6 Expand: (x+5)(x-2) ²	10:6	16. m = 3, n = 16 Find an equation for m in terms of n if m is inversely proportional to \forall n	10:18			
7. Factorise: 32 - 2x ²	10:7	17. Give the length of arc radius 6cm & angle 1500 in terms of π	10:21	25. Estimate the median from this box plot	10:30	
8. Give the gradient of a line perpendicular to: $y - 3x = 2$	10:8	18. Give the area of sector radius 6cm & angle 150^0 in terms of π	10:22			
9. Work out the equation of a line joining (4,5) & (8,3)	10:9	19. Give the curved surface area of a cone of r= 4cm & slant height 8cm in terms of π . (CSA = π rl) l=slant height	10:23	0 10 20 30 40 50 60 70 80 90 100 Test Score (%)		
10. Work out the roots of the quadratic graph with the equation $x^2 + 5x + 6 = 0$	10:12	20. Give the volume of a cone of radius 3cm & perpendicular height 5cm in terms of π (V= $\frac{1}{2}\pi r^2 h$) h=perpendicular height	10:24			
Total (A)		Total (B)		Total (C)		
Test Total (A+B+C)		R (0-9)	1	Y (10-19) G (20-25)	1	