Name: Date:

Class/Group:

Name:	e: Class			s/Group:		
A: Number & Algebra		B: Proportion, Geometry & Measure		C: Geometry & Measure, Statistics & Probability		
1. Write 16 x 10 ⁷ in standard form 9:1 1.6	5 x 10 ⁸	11. Work out the balance on £60 over years at 10% compound interest	r 2	9:13 £72.60	21. 37 pupils in a class 23 have a dog Cats Dogs	9:27
2. Write 156 x 10 ⁻⁷ in standard form 9:1 1.56	6 x 10 ⁻⁵	12. A flat was reduced by 20% to £52 Find its original price.	000	9:14 £65 000	18 have a cat 7 have neither 7	$\mid \; \; \; \; \; \; \; \; \; \; \; \; \; \; \; \; \; \; \;$
3. 4.8cm has been rounded to nearest mm Express the limits in the form a ≤ x < b 4.75≤	≤x<4.85	13. Density 0.7g/cm³ Mass 4.2g What is the Volume?		9:15 6cm ³	Complete the Venn diagram	
4. Solve: x ² + 4x + 4=0 9:4	= -2	14. Is the graph in Q9 showing DIREC PROPORTION?	T	9:16 NO	22. Sam plays a game of tennis & a game of snooker Tennis Snooker 1/3 WIN WW	9:28
5. If 4x-9<7 , show the solution for x on the number line -1 0 1 2 3 4 5 6 7 8 9		15. The two shapes are similar. Find the shapes are similar.	X	9:17 Sf=24÷20 =1.2 x=30÷1.2 25cm	3/4 WIN 2/3 LOSE WL 1/4 LOSE WIN LW 1/4 LOSE LL 1/3 LOSE	
6. Make 'a' the subject of the equation $p = \underline{a} + b$ $a = 3$	3(p-b)	16. Work out the PERIMETER of the semi-circle (to 3sf)		9:18 πx9÷2+9 =23.1cm	23. From the tree diagram, work out the probability of losing both games	9:28 1/4X ² / ₃ =1/6
2 5	y-1=20 y=3	17. Work out the TOTAL surface a of a cylinder with r=3m & h= 8m (3	loool	9:20 2xπx3x8 +2xπx3 ² =207cm ²	24. Construct the perpendicular from the point to the line.	9:26
	3x=±c or 3x ±c	18. What additional information is ne AAS congruency? N	eeded for M	9:21 ∠ A=∠Q		
25	÷5miles	19. 5cm x		9:22 √(5²-4²) = 3cm	25. At a conference, a survey is done on the first 10 people to arrive. Comment on this method of conducting a survey.	9:29
0 1 2 3 4 5 Distance (D) in km	km	Work out length 'x' (to 1dp)	⇒	-	NOT a good method because: Everyone at the conference does not have an equal chance of responding to the survey	
	9+6 =15	20. Complete the sentence $\cos x = \frac{4}{5}$ 3	4 X 5	9,23		
Total (A)		Total (B)			Total (C)	
Test Total (A+B+C)		R (0-9)		Y (10-19)	G (20-25)	I