Name: ______ Date: ______

A. Number & Algebra B: Proportion, Geometry & Measure

A: Number & Algebra		B: Proportion, Geometry & Measure		C: Geometry & Measure, Statistics & Probability		
1. Write 2450 in standard form	9:1	11. Work out the simple interest on £600 over	9:13	21. Group B take Biology and group C take Chemistry.	9:27	
	2.45×10^3	2 years at 4% interest	£48	Shade the Venn diagram for those who take only Biology.		
2. Write 0.0002 in standard form	9:1	12. A car is reduced by 30% to £8400.	9:14	B		
	2x10 ⁻⁴	Find the original cost?	£12000			
3. 2.4cm has been rounded to 1dp	9:2	13. Volume = 5m ³ . Density = 7130kg/m ³	9:15			
Express the limits in the form $a < x \le b$	2.35 <x≤2.45< td=""><td>What is the mass?</td><td>35650kg</td><td></td><td></td></x≤2.45<>	What is the mass?	35650kg			
4. Factorise: $x^2 - 8x + 15$	9:4 (x-5)(x-3)	14. A man earns £20 per hour. His hours and pay are in direct proportion. TRUE or FALSE?	9:16 TRUE	22. The probability of passing Maths is 0.8, & English is 0.7. Complete the tree diagram.	9:28	
5. If -1 < x < 4 and show the solution for x on the number line -1 0 1 2 3 4 5 6 7 8 9	9:5	 15. The two shapes are similar. Find x 10cm 15cm x 24cm 16. In multiples of π, work out the area of a 	9:17 Sf=1.5 24÷1.5 = 16cm	Maths English O.8 Pass O.3 Fail PF O.3 Fail FF O.3 Fail FF 23. Use the tree diagram to work out the probability of	9:28	
2(a-5)=b	a= <u>b+10</u>	semicircle of diameter 8cm	Пх4 ² ÷2	passing only one of the subjects	0.24+0.14	
2 ~	2 9:7	47 West authors and authors are after	=8π cm ²	24.0	=0.38	
7. Solve the equation: $\frac{2x}{3} - 2 = 4$	x=9	17. Work out the curved surface area of this cylinder in terms of π 7 cm 9 cm	2xπx3.5x9 63π cm ²	24. Construct the perpendicular to the point on the line		
8. Write down the equation of a line parallel to y = 5-2x	9:8 y=±c – 2x	18. Give the condition of congruency:	9:21 SSS			
9. What is your interpretation of circled point?	9:9	19.	9:22 /	25. A survey of 40 is to be done at a Youth Club to find		
Graph of savings over 6 months	A lump sum of	7m x		out the activities to include in the programme.		
1000	£300 was			The total number of youth members is:	_	
800	initially put	9m		Ages Boys Girls	_	
ui 600	into the account	To find 'x' choose one calculation: Circle	1 X	11-14 42 15	<u> </u>	
saving 400	account	choice	/\	15-18 16 37	_	
200			/ \	It was decided to ask 10 from each category.		
0 1 2 3 4 5 6 7 Months (m)		$\sqrt{7^2 + 9^2}$ OR $\sqrt{9^2 - 7^2}$	/	Do you think this is a fair approach? Give a reason. YES (r NO) circle your answer		
10. Evaluate A when A= p ² - 4p and p = -2	9:12 12			Reason – The number selected is not representative of th	e numbers in	
Total (A)		Total (B)		Total (C)		
		Total (b)		Total (C)		