Name: .....

Date: .....

Class/Group: .....

Name	Date			Class/ Gl	оир		
A: Number & Algebra		B: Proportion, Geometry & Measure		C: Geometry & Measure, Statistics & Probability			
1. Write 457x10 <sup>3</sup> in standard form	9:1	11. Work out the compound interest	000	9:13	21. Of 100 people		9:27
	4.57x10 <sup>5</sup>	on £400 over 3 years at 4%	000	£49.95	70 drank coffee	Coffee Tea	
2. Write <b>25x10</b> -3 in standard form	9:1	12. A 15% increase produced a heating		9:14	37 drank tea	( 42 ( 28 ) 9 )	
2. Write 25x10 III standard form	2.5x10 <sup>-2</sup>	bill of £1426. What was it before?	000	£1240	28 drank both	21	1 X
				_	Complete the Ve		
3. <b>16</b> has been rounded to nearest whole	9:2	13. Density = 5g/cm³ Volume = 4cm³		9:15	diagram		
Express the limits in the form $a \le x < b$	15.5≤x<16.5	What is the Mass?		<b>20</b> g			/ \
4. Solve: $x^2 - 10x - 39 = 0$	9:4	14. Which is correct? – Circle it	/	9:16	22. A marble is ch	osen from each bag. Complete:	9:28
	x = 13or-3	A is proportional to B	/	$\times$	D== A	Do a D	\ /
		A is inversely proportional to B	A►		Bag A	Bag B 2/ <sub>E</sub> Blue BB	
5. If $x - 4 \le 4$ , show the solution for x on the number	9:5	15. The two shapes are similar. Find x		9:17	3 RI	75 blue	
line		· /	000	Sf=5÷4	7 01	BR BR	1 X
		/ v//		=1.25		Red DD	
-1 0 1 2 3 4 5 6 7 8 9		6cm/ \ ^/		x=6x1.25	Re	ed 5 Blue RB	/ \
				=7.5cm	/	Red RR	/ \
		4cm 5cm		-7.5011		<del>7</del> 5 \ Neu	/
6. Make 'n' the subject of the equation	9:6 <b>n=q+mp</b>	16. Work out the AREA of the semi-circ	cle 🦳	9:18	23. From the Ven	n diagram, work out the probability	9:28
m(n-p)=q	9:611- <u><b>q</b>+111</u>	with a diameter of 14cm (2sf)	cle 🚃	77cm <sup>2</sup>		son at random who drank neither tea	21/100
Π(Π – p) – q	m	with a diameter of 1 fem (23)		776111	not coffee	son at random who drain neither tea	,
- · · · · · · · · · · · · · · · · · · ·	9:7	17. Work out the <b>curved</b> surface ar	.ea 👄	9:20		biseçtor of the angle ABC A	9:25 /
7. Solve the equation: $\frac{y}{4} + \frac{3y}{2} = 2$	5y=16	of a cylinder with r=7m & h= 4m (3:	loool	2χπχ7χ4	24. Construct the	bisestor of the differ ribe	/
4 8	y=3.2		si) —	=176m <sup>2</sup>			
8. Write down the equation of a line parallel to	9:8	18. What additional information is nee	eded for	9:21			
3x + 2y = 6	3x+2y=±c	SAS congruency?N	, IVI				
	or			∠N=∠M	_		/ \
	Y=±c- <u>3</u> x		7			,	/ \
	2	A T			c <u>/</u>		/
O Circo vario interpretation of the circled value	9:9	19.		9:22	25 For homowy	ark lack had to do a summer to	9:29
9. Give your interpretation of the circled point		<b>1</b> 13.	0000		find out the favourite type of restaurant. He		/
Babysitting charges	£10	_ / \		√(5² -2.5²)			\ /
60	minimum	5cm/ x 5cm		4 2 000	•	. Comment on his method of	\ /
<u>u</u> 50 <u>s</u> 40		/   \		=4.3cm	gathering the da	ata.	\ /
Q 30 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 +	charge						7 ∖ /
§ 20		5cm			Too small a sa	ample	\/
0		Work out length 'x' (to 1dp)				•	ΙX
0 1 2 3 4 5 6 7 8						se sample inclined towards a	/\
Time (T) in hours					certain group	(family)	/ \
10. Evaluate 2x <sup>2</sup> + 3 when x = -5	9:12	20. Complete the sentence	Q	9:23			/ \
10. Evaluate 2x + 3 Wileli x3	50+3		320/				/ \
		$\cos 32^0 = 8$	7				/ \
	=53	x /	X	$\vee$			-∤ \
Total (A)		Total (B)			Total (C)		
Test Total (A+B+C)		R (0-9)	Y (10-19) G (20-25)		•		
	•						