Name: ...... Date: .....

Class/Group: .....

	D. Alachra Droportion Coometry 9 N	1	C. Ctatiatian O Duals	- la ! l ! s	
Number & Algebra B: Algebra, Proportion, Geometry & Measure		C: Statistics & Probability			
8:1	11. Expand & simplify: (c + 5) <sup>2</sup>	8:16	21. The probabilities of choosing Head Girl is shown below: Find x.		8:26
8:2	12. The ratio of adults: students on a trip is 2:9. What proportion of the group on the trip are adults?	8:17	Megan Brenda 0.08 0.3	Gwynne Mala x 0.46	
8:3	13. Black: white = 1:4  Describe the relationship between the 2 colours.	8:18	22. Of 70 staff 48 choose coffee & rest tea. 18 coffee and 18 tea drinkers also take milk. Find the probability that a member chosen will drink tea without milk.		
8:4	14. A book bought for £24 was sold for 15% more. What was the selling price?	8:19			
8:6	15. A vehicle travelled 40m/h. What was the speed in km/h? (8km=5miles)	8:20	23. A dice is thrown twice. Write down the ways of obtaining a total score of 7.		
8:7	16. How many triangles are in a decagon?	8:21			
8:8	Work out the circumference of a circle	8:22	24. Estimate the mean time?		8:29
	with radius 8cm in terms of $\pi$		Time (t min)	f	(000)
8:10	9m	8:23	0 < t <u>≤</u> 6	15	
			6 < t <u>≤</u> 12	25	
			12 < t ≤ 18	20	
			18 < t ≤ 24	12	
8:12	19. Describe the transformation B to A	8:24	25. Indicate on the graph where you could extrapolate  Scatter graph showing height of candle and time of burning  18 11 14 11 12 12 13 10 10 100 200 300 time in minutes		
8:15	20. A model boat is made to a scale 1:20. The mast is 4m long. How long is the mast on the model boat?	8:25			
	Total (B)		Total (C)		
	R (0-9)	Y (10-19)		G (20-25)	
	8:2 8:3 8:4 8:6 8:7 8:8 8:10	11. Expand & simplify: (c + 5)²  12. The ratio of adults: students on a trip is 2:9. What proportion of the group on the trip are adults?  13. Black: white = 1: 4 Describe the relationship between the 2 colours.  14. A book bought for £24 was sold for 15% more. What was the selling price?  15. A vehicle travelled 40m/h. What was the speed in km/h? (8km=5miles)  16. How many triangles are in a decagon?  18. Work out the circumference of a circle with radius 8cm in terms of π  18. Work out the volume of this prism.  9m  3m²  19. Describe the transformation B to A  8:15  20. A model boat is made to a scale 1:20. The mast is 4m long. How long is the mast on the model boat?  Total (B)	8:1 11. Expand & simplify: (c + 5)² 8:16  8:2 12. The ratio of adults: students on a trip is 2:9. What proportion of the group on the trip are adults?  8:3 13. Black: white = 1: 4    Describe the relationship between the 2 colours.  8:4 14. A book bought for £24 was sold for 15% more. What was the selling price?  8:6 15. A vehicle travelled 40m/h. What was the speed in km/h? (8km=5miles)  8:7 16. How many triangles are in a decagon?  8:8 Work out the circumference of a circle with radius 8cm in terms of π  8:20  8:21  8:22  8:23  8:24  8:25  19. Describe the transformation B to A  8:24  8:25  10. A model boat is made to a scale 1:20. The mast is 4m long. How long is the mast on the model boat?  Total (B)	8:1 11. Expand & simplify: (c + 5)² 8:16 21. The probabilities shown below: Find x show	8:1       11. Expand & simplify: (c + 5)²       8:16       21. The probabilities of choosing Head Girl is shown below: Find x.         8:2       12. The ratio of adults: students on a trip is 2:9. What proportion of the group on the trip are adults?       8:17       Megan Brenda Gwynne Mala 0.08 0.3 x 0.46         8:3       13. Black: white = 1: 4 Describe the relationship between the 2 colours.       22. Of 70 staff 48 choose coffee & rest tea. 18 coffee and 18 tea drinkers also take milk. Find the probability that a member chosen will drift tea without milk.         8:4       14. A book bought for £24 was sold for 15% more. What was the selling price?       8:19       23. A dice is thrown twice. Write down the wind of obtaining a total score of 7.         8:6       15. A vehicle travelled 40m/h. What was the speed in km/h? (8km=5miles)       8:20       23. A dice is thrown twice. Write down the wind of obtaining a total score of 7.         8:7       16. How many triangles are in a decagon?       8:21       24. Estimate the mean time?         8:8       Work out the circumference of a circle with radius 8cm in terms of π       8:23       24. Estimate the mean time?         8:10       18. Work out the volume of this prism. 9m       8:23       25. Indicate on the graph where you could extrapolate with a direct of the graph where you could extrapolate with a direct of the graph where you could extrapolate in the model boat?       25. Indicate on the graph where you could extrapolate in the graph where you could extrapolate in the graph where you could extrapolate in the graph where you could