FFX 5-6 Maths Revision Material

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Name: Class:	Date:
 A <u>Number and the number system</u> 1. (a) Write 1/15 as an exact decimal (b) Write 0.4666666666666666666666666666666666666	
	1 mark (L8/1)
 B <u>Calculating</u> 2. (a) A bouncy ball is dropped from a height of 256metres. Each bounce is 25% less than its previous height. What is the height after 5 bounces? (b) After a 20% rise, Meg will have a new wage of £264 per What was Meg's wage before her wage increase? 	1 mark (L8/2) week.
	1 mark (L8/2)
3. (a) (i) Express 0.00000561 in standard form	
(ii) Express 9.3 x 10 ⁷ as an ordinary number	1 mark (L8/3)
(b) Work out (8 x 10) ⁻⁵ x (3 x 10 ⁷) Show your working out (Answer in standard form)	1 mark (L8/3) 1 mark (L8/3)







E Data Handling

14. The table shows information about the ages of the 240 people at a club.

Age (<i>t</i> years)	Frequency	Age (<i>t</i> years)	Cumulative frequency
15 ≤ <i>t</i> < 20	95	15 ≤ <i>t</i> < 20	
20 ≤ <i>t</i> < 25	90	15 ≤ <i>t</i> < 25	
25 ≤ <i>t</i> < 30	35	15 ≤ <i>t</i> < 30	
30 ≤ <i>t</i> < 35	15	15 ≤ <i>t</i> < 35	
35 ≤ <i>t</i> < 40	5	15 ≤ <i>t</i> < 40	

(a) Complete the cumulative frequency table.

1mark (L8/14)





 On Friday, Peter went to the airport. He recorded the number of minutes that each plane was delayed. Here are the results recorded on a box plot 				
On the grid, draw a box plot to show the information in the table.				
0 10 20 30 40 50 60 Minutes				
Peter also went to the airport on Saturday. He recorded the number of minutes that each plane was delayed.				
The box plot below was drawn using this information.				
Minutes				
Make a comparison between the distributions of plane delays on Friday and on Saturday.				
16 (a) Jo takes a driving test The probability that Jo passes the written part of the test is 0.8 The probability that Jo passes the driving part of the test is 0.6 What is the probability that Jo passes both parts of the driving test?				
(b) In a box there are dark, milk and white chocolates. The probability of choosing at random a white chocolate is 0.3 The probability of choosing at random a dark chocolate is 0.25 What is the probability of choosing a white or a dark chocolate?				
1marks(L8/1				

