FFX 3/4 Maths Revision

Na	me:				Class:	Date:	
Α	<u>Numb</u>	er and t	<u>he number sy</u>	<u>stem</u>			
	1.	(a) A ba	ag has 20 cube	es in it. 6 of the	cubes are gree	en.	
		You	take one cube	out of the bag	at random.		
		Whic	h values below	w show the pro	bability that ye	ou take out a cu	be that is green?
		Circl	e the correct to	our values.			
			$\frac{6}{14}$	30%	0.6	3/10	
		-	6%	3/5	6/20	0.03	
		-	0.3	6/10	60%	6	
						$\frac{3}{26}$	
		L			1	<u> </u>	
E.		(h) \//rit	a thaca numbr	are in order of c	izo, ctorting wi	th the emploret:	2marks (L6/1)
			e mese numbe		3	in the smallest.	
			0.32 -	33%	10		
							1 mark (L6/1)
В	<u>Calc</u>	ulating					
2.	Potting c If the gar	ompost is dener us	s made of loan ed 1.5litres of	n, peat and sar peat, how muc	nd in the ratio o h compost did	f 7 : 3 : 2 he produce?	The second se
	à						
							2 marks (L6/3)

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3. V	Vhich is the best buy?Image: Constrained on the set of the set
C <u>Alge</u>	2 marks (L6/4)
4. Solve 5	y + 3 = 3y + 14
	2 mark (L6/7)
5. Here al	re the first five terms of a number sequence. 3 7 11 15 19
(a)	Write down an expression, in terms of <i>n</i> , for the <i>n</i> th term of this sequence.
Adeel	source that 210 is a tarm in the number sequence
(b)	Is Adeel correct? You must justify your answer.
	2 marks (L6/8)







E Data Handling

12.

6	21	18	4	23	6
4	11	30	23	14	28
12	18	25	16	14	26
1	23	11	24	3	22
2	9	2	19	17	25

Choose suitable class intervals to draw up a frequency table for the above scores

Class intervals	Tally	Frequency

2 marks (L6/22)

 Construct a pie chart for the data (Favourite takeaway)

Flavour	Number	Angle
Indian	10	
Fish & chips	3	
Chinese	7	
Pizza	20	

2 marks (L6/23)

14. The diagram shows a 3-sided spinner and an ordinary dice.				
	The spinner has 1 green side, 1 blue side and 1 red side.			
	Alex spins the spinner once and rolls the dice once.			
	Write down all the possible outcomes.			
	One has already been done for you.			
	(g, 1)			
	$1 \mod (16/24)$			
15	Tom plays a name of chess against the computer			
	The computer is programmed so the chance it loses is 0.3 and the chance it draws is 0.5.			
	What is the probability that it wins?			
	1 mark (16/25)			
	1 IIIdik (L0/25)			
16.	Zoe recorded the weight of each of 15 people.			
	She showed her results in a stem and leaf diagram.			
	4 6 8			
	5 1 2 8 Key:			
	6 0 3 4 6 8 4 6 means 46 kg			
	8 /			
	(a) Write down the number of people with a weight of more than 70 kg.			
	(b) Work out the range of the weights.			
	kg			
	1 mark (L6/26)			