NAME: DATE:____ ANSWER ALL QUESTIONS **SECTION A- Review** 1. Solve (a) 21,433 + 7,086 + 12 (b) 8,203 - 4,136 Answer=____ Answer=____ (c) 4,056 x 3 (d) 7025 ÷ 5 Answer=_____ Answer=____ 2. From the set of numbers {1,2,3,4,5,6,7,8,9,10}, write down: The smallest prime number_____ (i) The smallest multiple of 2_____ (ii) (iii) The largest factor of 12_____

(iv) The number that is neither prime nor composite_____

NUMBER THEORY WORKSHEET BJC REVIEW



3.	A Mathematics lesson started at 9:05. It ended at 10:18. How long did the lesson last?				
	Answer= hr min				
4.	Solve using PEMDAS				
1.7	(a) 7 + 4 x 2	(c) 63 ÷ 9 x 7 + 2			
	Answer= (b) 3 + (9-7) ² x 5 - 2	Answer=			
	Answer=				
5.	filling in the next two numbers in the				
	(a) 8, 16, 24, 32,,				
	(b) 2, 3, 5, 8, 13,, _				
	(c) 1, 4, 9, 16.				

SECTION B-PRIME FACTORISATION

	1. To use PRIME FACTORISATION to calculate the HCF of the following sets of numbers:					
(a) 1	2 and 16	(b) 24, 30 and 48				
A	ns=	Ans=				
2. To use PRIME FACTORISATION to calculate the LCM of the following sets of numbers:						
(b) 6	and 8	(b) 30 and 45				
Α	ns=	Ans=				
3. T	3. The prime factors of two numbers are given below:					
	First Number:=2 x	2 x 2 x 3				
	Second Number:=2 x	2 x 3 x 3				
	a) What are the two numbers? (Write you	·				
(k	o) What is the (i) HCF	_ of the two numbers?				
	(ii) LCM	-				



4.	(a) Express	144 as a	product of its	prime factors.
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(b) Hence, find √144

5. (a) Express 1000 as a product of its prime factors.

(b) Hence, find $^3\sqrt{1000}$