INDIAN SCHOOL AL WADI AL KABIR

Class VI, Mathematics ***Worksheet-PLAYING WITH NUMBERS***

14-08-2020 (QUESTIONS)

OBJECTIVE TYPE (1 Mark)

Q.1.	The H.C.F of two coprime numbers is:							
	A	0	B	1	C	2	D	None of these
Q.2.	An example of a perfect number is :							
	A	28	B	10	C	8	D	12
Q.3.	The smallest odd composite number is :							
	A	3	B	5	*C*	9	D	7
Q.4.	Which of the following pairs are co-prime?							
	A	8,10	B	27, 30	C	35, 40	D	211, 212
Q.5.	The L.C.M of 7 and 8 is :							
	A	8	B	56	C	7	D	14
Q.6.	Find a number which is divisible by both 3 and 9 is:							
	A	3045	B	87132	C	57123	D	2238
Q.7.	A pair of twin primes are:							
	A	11,13	B	13,15	C	15,17	Q	21,23
Q.8.	The maximum capacity of a container that can measure 60 litre and 75 litre exactly is:							
	A	15 litres	B	30 litres	C	20 litres	D	5 litres
Q.9.	4384 is not divisible by							
	A	4	B	8	C	2	D	3
Q.10	The prime factors of 126 are:							
	A	$2 \times 9 \times 7$	B	$2 \times 3 \times 3 \times 7$	C	$6 \times 3 \times 7$	D	$2 \times 3 \times 21$

Fill in the blanks(1mark)	
Q11.	Fifth multiple of 17 is _____
Q12.	The number 2347850 is divisible by _____ , _____ and _____
Q13.	The greatest factor of 85 is _____
Q14.	A number is divisible by 5 and 13 both. By which _____ number will that be always divisible.
Q15.	The L.C.M of 12 and 24 is : _____
SECTION B (2 marks)	
Q16.	Using divisibility test, determine the numbers are divisible by 4? Using di (a) 4096 (b) 251094
Q17.	Find the H. C. F of 20, 60, and 108 .
Q18.	Find the L. C. M of 22, 14, and 110.
Q19.	Check the number 298704 is divisible by 6 or not, apply the rule of divisibility of 6.
Q20.	Check the number 9020814 is divisible by 11 or not, apply the rule of divisibility of 11.
SECTION C (4marks)	
Q21.	Determine the least number which when divided by 3, 4, and 5, leaves remainder 2 in each case.
Q22.	Find the greatest number of four digits which is divisible by 15, 25, 40, and 75.
Q23.	On a race track, racing car A complete the track in 28 minutes, while racing car B completes it in 24 minutes, after how many minutes will they be side by side again?
Q24.	A merchant has 120 L of oil one kind, 180 L of another kind and 240 L of a third kind. He wants to sell the oil by filling the three kinds of oil in tins of equal capacity. What should be the greatest capacity of such in tin?
Q25.	Find the least number, which when divided by 25, 30 and 70 leaves a remainder 11.