INDIAN SCHOOL AL WADI AL KABIR
Class VI
PLAYING WITH NUMBERS
Worksheet - 3

		OBJECTIVE TYPE (1 Mark)							
Q.1.	Which of the following is not a co-prime?								
	A	8,10	B	11,12	C	1,3	D	31,33
Q.2.	LCM of 10, 15 and 20 is:								
	A	30	B	60	C	90	D	180
Q.3.	The common factor of 13 and 39 is:								
	A	0	B	39	C	13	D	3
Q.4.	HCF of two consecutive even number is:								
	A	1	B	2	C	3	D	4
Q.5.	Which of the following is a prime factor of largest 3-digit number?								
	A	111	B	9	C	27	D	37
Q.6.	The common factors of 15 and 20 are:								
	A	2,3	B	1,5	C	3,5	D	2,2,3
Q.7.	HCF of 24,36 and 60 is:								
	A	6	B	12	C	24	D	18
Q.8.	The LCM of 36, 60 and 72 is:								
	A	330	B	360	C	380	D	310
Q.9.	The common multiple of 5 and 6 which lies between 70 and 100 is:								
	A	100	B	60	C	80	D	90
Q.10	Numbers 7 and 9 are -------- numbers.								
	A	Consecutive	B	even	C	Co-prime	D	Prime
		FILL IN THE BLANKS							
Q.11	HCF of two consecutive odd numbers is _____.								

Q.12	The number of factors of a prime number is _____.
Q.13	The LCM of two or more given numbers is the lowest of their common _____.
Q.14	Co-prime numbers have only _____ as their common factors.
Q.15	Every number is a _____of each of its factors.

	SECTION B (2 Marks)
Q.16	Determine the least number which when divided by 3,4 and 5 leaves remainder 2 in each case.
Q.17	Write five common multiple of 3 and 7
Q.18	Find the HCF of 24 and 38
Q.19	Write all the common factors of 75, 60 and 120
Q.20	Find the LCM of 12, 15 and 6.

	SECTION C (4 Marks)
Q.21	**State True and False** a) Number which is having more than two factors are called composite number. b) The prime factorization of 24 is $2 \times 2 \times 3 \times 3$. c) Every multiple of a number is greater than or equal to the number. d) The LCM of 3 and 6 is 9.
Q.22	The length, breadth and height of a room are 125 cm, 275 cm and 375 cm respectively. Find the longest tape which can measure the three dimensions of the room exactly.
Q.23	Find the factors of 980 using factor tree diagram and express 980 as a product of prime factors.
Q.24	Write the smallest 5-digit number and express it in the form of its prime factors.
Q.25	Four bells toll at intervals of 5 minutes, 10 minutes, 12 minutes and 15 minutes. The bells toll together at 5 am. When will they toll together again?

Answers	Q.1	A)8,10	Q.2	B)60	Q.3.	C) 13	Q.4	B)2
	Q.5	D) 37	Q.6	B)1, 5	Q.7	B) 12	Q.8	B)360
	Q.9	D) 90	Q.10	C) Co-prime	Q.11	1	Q.12	2
	Q.13	*Multiples*	Q.14	1	Q.15	*Multiple*	Q.16	62
	Q.17	21,42,63,84,105	Q.18	2	Q.19	1,3,5	Q.20	60
	Q.21	a) True b) False c) True d) False	Q.22	25 cm	Q.23	$2 \times 2 \times 5 \times 7 \times 7$	Q.24	$2 \times 2 \times 2 \times 2 \times 5 \times 5 \times 5 \times 5$
	Q.25	6 am						

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