INDIAN SCHOOL DARSAIT
DEPARTMENT OF MATHEMATICS

Subject : MATHEMATICS Topic : REAL NUMBERS Date of Worksheet : 18/04/2017	
Resource Person: Mrs.Indu.P	Date of submission : 23/04/2017
Name of the Student _____ Class &Division: _____ Roll Number : ____	

SL.No.	SECTION A [BASIC SKILLS]
1 .	456.4 x 300 =
2.	$25.5 \div 0.05 =$
3.	Solve for x : $x^2(x + 5) = -1$
4.	$5 \div \dfrac{50}{3} =$
5.	$\dfrac{3}{4} + \dfrac{5}{7} =$

Sl.No.	SECTION B – [CHAPTER BASED QUESTIONS]	Marks
1.	The number 75600 can be factorized as $a^1 \times b^2 \times c^3 \times d^4$. What is the value of $(a + c)$?	1
2.	If the LCM of a and 18 is 36 and the HCF of a and 18 is 2 , then find the value of a.	1
3.	Use Euclid's Division Algorithm to find the HCF of the following numbers. i) 504 and 1188 ii) 960 and 1575	2
4.	The HCF of two numbers is 23 and their LCM is 1449.If one of the numbers is 161, find the other.	2
5.	Examine whether $\dfrac{1}{3}$ and $\dfrac{2139}{1250}$ are terminating decimal or not.	2
6.	Find the least number that is divisible by all the numbers between 1 and 10(both inclusive)	2
7.	How many decimal places will be there for the following numbers. i) $\dfrac{49}{500}$ ii) $\dfrac{31}{3125}$ iii) $\dfrac{15}{1600}$	3
8.	Prove that the following are irrational numbers. i)2 - 3 ii) $\sqrt{8}$ iii) $\sqrt{5} + \sqrt{3}$ iv) $\dfrac{1}{\sqrt{2}}$	4
9.	An electronic device makes a beep after every 60 seconds. Another device makes a beep after every 62 seconds. They beeped together at 10 a.m. At what time they will beep together at the earliest.	3

10.	Two tanks contain 504 and 735 liters of milk respectively. Find the maximum capacity of a container which can measure the milk of either tank in an exact number of times.	3
11.	Complete the missing entries in the following factor tree. 	2
12.	Show that only one out of a, a + 2 and a + 4 is divisible by 3.	4

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