INDIAN SCHOOL DARSAIT
DEPARTMENT OF MATHEMATICS

Subject : Mathematics Topic : Rational No.	Date of Worksheet : _____
Resource Person: Mrs Bhavya Vijelesh	Date : _____
Name of the Student :_____ Class & Division :Vll___ Roll Number : __	

S.No.	Section A(Basic Skills)	Marks
1	Find the equivalent fraction of $\frac{36}{48}$ with (a) Numerator 9 (b) Denominator 4	1
2	Solve (a) $\frac{5}{7} + \frac{1}{3}$ (b) $\frac{4}{3} - \frac{1}{2}$	1
3	Find the value of: (a) $4 - (7 - 6 \div 2)$ (b) $16 + 8 \div 2 + 1$	1
	Section B	
4	Write the additive inverse and multiplicative inverse of $\frac{3}{7}$.	
5	Fill in the boxes: (a) $\frac{6}{5} = \frac{\square}{15}$ (b) $\frac{-25}{\square} = \frac{-5}{6}$ (c) $\frac{\square}{7} = \frac{20}{28}$	2
6	State three rational number between -1 and 1 (b) 0 and $\frac{1}{2}$ (c) $\frac{1}{2}$ and $\frac{-1}{4}$	2
7	Find the sum. (a) $\frac{-3}{-5} + \frac{3}{10}$ (b) $-1\frac{1}{2} + 1\frac{3}{2}$	2
8	Find the difference. (a)$\left(\frac{24}{12}\right) - \left(\frac{24}{6}\right)$	2

	(b) $\left(\frac{-1}{2}\right) - \left(\frac{-1}{2}\right)$	
9	Find the product. (a) $\frac{6}{-20} \times \frac{-14}{18}$ (b) $\left(3\frac{1}{2}\right) \times \left(5\frac{1}{2}\right)$	2
10	Divide the following rational numbers. (a) $\left(\frac{-7}{-5}\right) \div \left(\frac{-10}{-20}\right)$ (b) $\left(\frac{-12}{13}\right) \div 24$ (c) $\left(5\frac{1}{3}\right) \div \left(6\frac{1}{3}\right)$ (d) $1 \div \frac{9}{8}$	2
	Section C (Hot Questions)	
11	Simplify: (a) $\frac{3}{4} + \left(\frac{-3}{4}\right) + \left(\frac{-5}{12}\right) + \left(-\frac{1}{6}\right)$ (b) $\left(\frac{-12}{13}\right) \times \frac{27}{4} \times \left(\frac{-8}{5}\right) \times \left(\frac{-25}{4}\right)$	3
13	Write the rational number: (a) Numerator 5 and denominator (-7) (b) Denominator (-12) and numerator is the successor of denominator (c) Denominator is 3+(-7) and numerator is 2 times its denominator	3