



INDIAN SCHOOL DARSAIT DEPARTMENT OF MATHEMATICS



Subject : Mathematics	Topic : Rational numbers	Date of Worksheet : _____
Resource Person: Mrs Priya Bijukumar	Date : _____	
Name of the Student : _____	Class & Division : VIII	Roll Number : ____

	SECTION-A	Marks
1	$\frac{-4}{5} - \frac{2}{1}$	
2	$\frac{-2}{5} + 4$	
3	$\frac{7}{1} \div \frac{-1}{2}$	
4	$\frac{7}{8} \times \frac{-1}{2}$	
5	$(\frac{-6}{7} + \frac{1}{2}) \times \frac{-7}{5}$	
SECTION-B		
1	What should be added to $\frac{3}{5}$ to get $\frac{-5}{6}$	1
2.	Find the additive inverse and multiplicative inverse of $\frac{5}{-3}$	1
3	By which rational number should $\frac{-7}{8}$ be multiplied to obtain 1 ?	1
4	What should be added to $[\frac{3}{4} + \frac{1}{3} + \frac{2}{5}]$ to get 0 ?	2
5	Is $1\frac{3}{5}$ the multiplicative inverse of $\frac{-8}{5}$? Why or why not?	2
6	Simplify: (i) $\frac{5}{6} + \frac{3}{1} - \frac{7}{1}$ (ii) $1\frac{1}{9} \div 2\frac{2}{3}$	2
7	The product of two rational numbers is $\frac{-1}{9}$. If one of the numbers is $\frac{-4}{3}$ find other.	2
8	Simplify using appropriate properties $\frac{1}{2} \times \frac{7}{-3} - \frac{3}{4} \times \frac{7}{-3} + \frac{2}{3} \times \frac{5}{4}$	3





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9	Find using distributive property: (i) $\frac{8}{9} \times \frac{1}{2} + \frac{-1}{9} \times \frac{8}{9}$ (ii) $\frac{1}{1} \times \frac{1}{9} + \frac{1}{1} \times \frac{-1}{9}$ (iii) $\frac{1}{5} \times \frac{1}{2} - \frac{1}{5} \times \frac{3}{2}$	3
10	The perimeter of a square is 13 cm. Find its area	3
SECTION –C		
1	If $\frac{3}{5}$ of a number exceeds its $\frac{2}{7}$ by 44, find the number	
2	In a school $\frac{3}{7}$ of the students are girls. If there are 240 boys, find the number of girls.	
3	Find the following:	
a	$(\frac{-6}{7} + \frac{1}{2}) \times \frac{-7}{5}$	
b	$\frac{3}{7} + \frac{8}{1} \times \frac{-7}{5} + \frac{1}{2} \times \frac{-7}{5}$	