INDIAN SCHOOL MUSCAT – MIDDLE SECTION – DEPARTMENT OF MATHEMATICS – TERM :01 (2017 – 18)

NAME OF THE STUDENT : **CLASS : 8 SEC : SUB: MATHEMATICS**

DATE : 23. 04. 17 **TOPIC: RATIONAL NUMBERS** **WORKSHEET NO:01**

S.NO	MCQ	ANSWER
1	The sum of additive inverse and multiplicative of 3 is _____ a) $\frac{-8}{3}$ b) $\frac{8}{3}$ c) $\frac{-1}{3}$ d) $\frac{1}{3}$	
2	The product of additive inverse of $2\frac{1}{3}$ and $\frac{3}{7}$ is _____ a) $\frac{7}{3}$ b) 1 c) $\frac{3}{7}$ d) $\frac{-7}{3}$	
3	The rational number which is in the standard form is ___ a) $\frac{-4}{28}$ b) $\frac{-11}{-13}$ c) $\frac{5}{-7}$ d) $\frac{-4}{5}$	
4	The reciprocal of $\left[\frac{-7}{9}-\frac{2}{9}\right]$ is _____ a) 1 b) -1 c) 0 d) not defined	
5	Addition of $\frac{4}{13}$ and multiplicative inverse of $2\frac{3}{5}$ is ____ a) $\frac{1}{13}$ b) $\frac{9}{13}$ c) $\frac{6}{13}$ d) $\frac{7}{13}$	

S.NO	FILL IN THE BLANKS	ANSWER
6	The multiplicative inverse of $\left[\frac{-5}{8}+\frac{2}{16}\right]$ is _____	
7	The property under multiplication used in $\frac{-4}{13}\times\frac{13}{-4}=1$ is _____	
8	The quotient of $\frac{15}{7}$ and the multiplicative inverse of $\frac{14}{15}$ is _____	
9	_____ is to be multiplied with $\frac{-3}{2}$ to get 3.	
10	The sum of $\frac{8}{-7}$ and reciprocal of $\frac{7}{8}$ is _____	

ANSWER THE FOLLOWING QUESTIONS

S.NO	QUESTIONS
15	**Simplify each of the following by using suitable property:** a) $\left[\frac{7}{9}\times\frac{-4}{11}\right]+\left[\frac{-14}{11}\times\frac{7}{9}\right]+\frac{3}{11}$ b) $\left[\frac{5}{8}\times\left(\frac{-3}{2}\right)\right]+\left[\frac{5}{8}\times\left(\frac{-2}{4}\right)\right]-\left[\frac{5}{8}\right]$ c) $\left[\frac{-1}{7}\times\frac{-3}{10}\right]+\left[\frac{7}{6}\times\frac{3}{14}\right]-\left[\frac{-2}{5}\times\frac{-1}{7}\right]$ d) $\left[\frac{3}{2}\times\frac{1}{4}\right]-\left[\frac{5}{4}\times\frac{4}{5}\right]+\frac{1}{4}$ e) $\left[\frac{1}{14}\times\frac{2}{9}\right]-\left[\frac{3}{14}\times\frac{1}{9}\right]+\left[\frac{2}{9}\times\frac{1}{7}\right]$