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| Subject : MATHEMATICS | Topic : RATIONAL NUMBERS | Date of Worksheet : 17/04/2019 |
| Resource Person: Mrs. Indu.P | Date of submission :  |
| Name of the Student \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Class &Division: \_\_\_\_\_\_\_ | Roll Number : \_\_\_\_ |

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| SL.No. | **SECTION A [BASIC SKILLS]** |
| 1 . | $\frac{-4}{5}$ - $\frac{21}{10}$ |
| 2. | $\frac{-2}{3}$ + 4 |
| 3. | $\frac{-9}{11}$ × $\frac{22}{63}$ |
| 4. | $\frac{7}{18}$ ÷ $\frac{-14}{21}$ |
| 5. | Simplify:(i)$\frac{5}{6}$ + $\frac{7}{18}$ - $\frac{11}{12}$(ii)1$\frac{1}{3}$ - 2 $\frac{2}{3}$  |
| Sl.No. | **SECTION B – [CHAPTER BASED QUESTIONS]** | Marks |
| 1 | The sum of two rational numbers is $\frac{5}{18}$ . if one number is $\frac{1}{8},$ find the other. | 2 |
| 2 | Simplify ($\frac{-6}{7}$ + $\frac{18}{28}$ ) × $\frac{-7}{5}$ | 2 |
| 3 | Write rational numbers which are equal to its reciprocals . | 2 |
| 4 | Write the rational number which is equal to its additive inverse. | 1 |
| 5 | Name the property which allows you to multiply three rational numbers in any order. | 1 |
| 6 | What is the sum of any number and its additive inverse? | 1 |
| 7 | Find the additive inverse and multiplicative inverse of $ \frac{-2}{3}$ | 1 |
| 8 | By which rational number should $\frac{-7}{85 }$ be multiplied to obtain $\frac{1}{17}$ ?  | 1 |
| 9 | Is 1$\frac{3}{5}$ , the multiplicative inverse of $\frac{5}{8}$ ? Why or why not? | 2 |
| 10 | What should be subtracted from [$ \frac{3}{4}$ +$ \frac{1}{3}$ + $\frac{2}{5}$ ] to get 1 ? | 2 |
| 11 | Find using distributive property:(i)$ \frac{8}{9}$ x $\frac{1}{2}$ + $\frac{-1}{3}$ x $\frac{8}{9}$ (ii)$ \frac{16}{17}$ x $\frac{1}{9}$ + $\frac{16}{17}$ x $\frac{-1}{ 9 }$(iii)$ \frac{1 }{5 }$x$ \frac{1}{2}$ - $ \frac{1}{ 5}$ x $\frac{3}{2}$  | 3 |
| 12 | Simplify using appropriate properties$\frac{1}{2}$ x $\frac{7}{-5}$ - $\frac{3}{4} $ x $\frac{2}{3}$ +$ \frac{2}{3 }$ x $\frac{1}{4}$  | 3 |
| 13 | What is the perimeter of a quadrilateral whose four sides measure 3$\frac{1}{6}$cm, 2$\frac{3}{4}$ cm, 4$\frac{5}{12}$ cm and 2$\frac{1}{2}$ cm. | 3 |
| **SECTION C [HOT QUESTIONS]** |
| 1 | **The product of two rational numbers is**http://www.careerlauncher.com/cbse-ncert/class-8/8-math-rational-2-UntitOE12.JPG**If one of them is**http://www.careerlauncher.com/cbse-ncert/class-8/8-math-rational-2-UntitOE13.JPG**then find the other.** | 3 |
| 2 | Verify that http://www.careerlauncher.com/cbse-ncert/class-8/8-math-rational-2-UntitOE0.JPG and http://www.careerlauncher.com/cbse-ncert/class-8/8-math-rational-2-UntitOE1.JPG are there same | 4 |
| 3 | **Find:**http://www.careerlauncher.com/cbse-ncert/class-8/8-math-rational-2-UntitOE3.JPG | 4 |
| 4 | In a school $\frac{3}{7}$of the students are girls.If there are 240 boys ,find the number of girls. | 3 |