ACADEMIC YEAR 2022-23
Grade: VIII
Subject: MATHEMATICS
CH – 1 – RATIONAL NUMBERS - ASSIGNMENT -1

1. Find the additive inverse of $-\dfrac{1}{2}$

2. Find the multiplicative inverse of $-\dfrac{1}{2}$

2. Write the reciprocal of $1\dfrac{2}{7} \times \dfrac{21}{2}$

3. Write any 5 rational numbers between

   i) 2 and 3

   ii) ½ and 1

   iii) 2/3 and ¾

4. Find 5 rational numbers less than 1

5. Find 5 rational numbers more than – 2

6. Represent the following rational numbers on a number line

$$-\dfrac{5}{6} \quad , \quad \dfrac{4}{6} \quad , \quad -2 \quad , \quad \dfrac{-7}{6}$$

7. Verify that $a \times (b + c) = a \times b + a \times c$:

   if $a = -\dfrac{1}{3}$, $b = \dfrac{3}{4}$, $c = -\dfrac{1}{2}$

8. Find using appropriate property : $-\dfrac{3}{2} \times \dfrac{4}{5} - \dfrac{3}{10} \times \dfrac{3}{2}$

9. The product of two rational numbers is $\dfrac{-16}{9}$. If one of the numbers is $\dfrac{-4}{3}$, find the other.

10. A tin holds $16\dfrac{1}{2}$ litres of oil. How many such tins will be required to hold $313\dfrac{1}{2}$ litres of oil?