

**BHARATIYA VIDYA BHAVAN'S V.M.PUBLIC SCHOOL
VADODARA**

Date:	WORKSHEET-Rational Numbers	Subject: Mathematics
Class: VIII	Name of the student:	

1. Write the additive numbers of the following:

(a) $\frac{45}{107}$ (b) $\frac{9}{10}$ (c) $\frac{-2}{7}$ (d) $\frac{-8}{19}$

2. Write the multiplicative inverse of the following:

(a) $\frac{-23}{37}$ (b) $\frac{4}{9}$ (c) $\frac{-4}{7}$

3. Do as directed:

- a) Write five rational numbers less than 2.
- b) Write eight rational numbers less than -1.
- c) Write five rational numbers between $\frac{-9}{10}$ and $\frac{4}{7}$
- d) Write three rational numbers between $\frac{3}{2}$ and 4.

4. Represent the following numbers in the number line:

a) $\frac{-3}{7}$ b) $\frac{-9}{11}$ c) $\frac{2}{11}$

5. Solve the following:

a) The product of two rational numbers is $\frac{-6}{7}$. If one of the number is $\frac{1}{3}$. find the other number.

b) By which rational number should we multiply $\frac{5}{7}$ to get $\frac{2}{7}$?

6. Multiply $1\frac{3}{7}$ and $3\frac{2}{4}$.

7. Divide the sum of $\frac{11}{5}$ and $\frac{-7}{9}$ by the product of $\frac{-16}{7}$ and $\frac{-1}{4}$.

8. Two pieces of $1\frac{1}{4}$ and $2\frac{3}{5}$ are cut from a 5 kg cake. How much of the cake is left?

9. The cost of chocolates is Rs. $4\frac{9}{10}$ per kg. What is the cost of a $13\frac{3}{7}$ kg of chocolates?

10. Ramesh opens a 600ml bottle of Coca-Cola. He drinks $\frac{1}{3}$ of it himself. His friend Raja drinks $\frac{3}{5}$ of the remaining amount. They leave the rest for Ragini. How much Coco-Cola did they leave for her?