

BRAIN INTERNATIONAL SCHOOL

Mathematics Assignment

Class VII

December 2024

RATIONAL NUMBERS

1. Express $\frac{27}{-45}$ in standard form.
2. Represent $\frac{-2}{5}$ and its successor on the number line.
3. Find any two equivalent numbers of $\frac{-7}{8}$.
4. Find four rational numbers between $\frac{-1}{2}$ and $\frac{1}{2}$.
5. Which is greater: the reciprocal of $\frac{15}{18}$ or the additive inverse of $\frac{-16}{36}$?
6. Find the product of multiplicative inverse of $3\frac{1}{2}$ and the additive inverse of $2\frac{5}{8}$.
7. The sum of two rational numbers is $\frac{5}{26}$. If one rational number is $\frac{6}{13}$, find the other.
8. Divide: a) $\frac{2}{5}$ by $\frac{-1}{2}$ b) $-5\frac{4}{9}$ by $1\frac{22}{27}$.
9. If one metre cloth costs ₹ $40\frac{1}{2}$. Find the cost of $3\frac{1}{3}$ meters of cloth.
10. A man travels a distance of $\frac{8}{19}$ km by car and $\frac{2}{57}$ km by bus to reach his destination. How much distance did he travel in all?