

1. Arrange and simplify: $\frac{3}{5} + \frac{5}{3} + \left(-\frac{11}{5}\right) + \left(-\frac{2}{3}\right)$
2. The product of two numbers is $\frac{5}{9}$. if one of the numbers is $-\frac{35}{24}$, find the other.
3. Radhika had a certain amount of money in her piggy bank. She spent ₹ $10\frac{1}{4}$ in the school canteen, gave ₹ $15\frac{1}{2}$ to her friend and bought a gift worth ₹ $25\frac{3}{4}$ for her brother then she had a balance of ₹ $200\frac{1}{8}$. how much did she have to begin with?
4. What number should be subtracted from $\left(\frac{3}{4} + \frac{1}{3} + \frac{2}{5}\right)$ to get $\frac{1}{2}$?
5. Subtract $-\frac{4}{15}$ from $\frac{3}{10}$
6. What number should be added to $-\frac{4}{7}$ to get $\frac{5}{9}$?
7. Compare $\left|-\frac{4}{3} + \frac{5}{8}\right|$ and $\left|-\frac{4}{3}\right| + \left|\frac{5}{8}\right|$
8. Evaluate: $\left(\frac{5}{9} \div \frac{15}{36}\right) \div \left(-\frac{5}{6}\right)$
9. Represent $\frac{2}{5}$ and $-\frac{2}{5}$ on the number line .
10. Arrange $-\frac{5}{3}, \frac{3}{4}, \frac{5}{-6}$ in descending order.
11. Compare $\frac{9}{-11}$ and $\frac{5}{-17}$.
12. Find two rational numbers whose absolute value is $\frac{1}{3}$.
13. Fill ups:
 - a. $\frac{7}{-8}$ expressed as a rational number with denominator 24 = _____ .
 - b. Additive inverse of $\frac{-21}{-30}$ is _____ .
14. Divide: $\frac{10}{33}$ by $\frac{2}{-11}$.
15. $(-36) \times \left(-\frac{35}{76}\right) \times \left(\frac{19}{15}\right) \times \left(\frac{3}{-2}\right)^{-1} =$ _____ ?
16. Find four rational numbers between $\frac{1}{3}$ and $\frac{1}{4}$.
17. Divide the sum of $\frac{3}{8}$ and $-\frac{5}{12}$ by the reciprocal of $-\frac{15}{8} \times \frac{16}{27}$.
18. If area of a rectangle is $45\frac{5}{16}$ cm² . if one edge is $6\frac{1}{4}$ cm, find the other.
19. Write the multiplicative inverse of
 - (a) $-2 \times \frac{3}{5}$ (b) $-7 \times \frac{1}{7}$
20. Write the additive inverse of
 - (a) -15 (b) $-\frac{9}{2}$