

MATHEMATICS
TEST PAPER
CLASS - VIII
RATIONAL NUMBERS

Time: 40Min.

MM: 20



ZERO
PERIOD

We Believe in Learning

- Note: (a) Section – A Each question carries 1 mark
(b) Section – B Each question carries 2 marks
(c) Section – C Each question carries 3 marks
(d) Section – D Each question carries 4 marks*

Section [A]

1. Do as directed:
- (a) Find the multiplicative inverse of $-\frac{7}{9}$
- (b) Write the additive inverse of $\frac{5}{-11}$
2. Represent the following on a number line :
- (a) $-\frac{7}{8}$
- (b) $\frac{8}{9}$

Section [B]

3. Do as directed,
- (a) Add $\frac{3}{4}$ and $-\frac{5}{8}$
- (b) Subtract $-\frac{3}{5}$ from $\frac{7}{15}$
4. Add
- (a) What number should be subtracted from $\frac{3}{7}$ to get $\frac{5}{4}$?
- (b) What should be added to $(\frac{1}{2} + \frac{1}{3} + \frac{1}{5})$ to get 3?

Section [C]

5. Insert three rational number between $-\frac{2}{5}$ and $\frac{1}{2}$
6. Divide the sum of $-\frac{13}{5}$ and $\frac{12}{7}$ by the product of $-\frac{31}{7}$ and $-\frac{1}{2}$

Section [D]

7. Simplify
- (a) $\frac{5}{3} + \frac{3}{-2} + \frac{-7}{3} + 3$.
- (b) $\frac{3}{4} + (\frac{-3}{5}) + (\frac{-2}{3}) + \frac{5}{8} + (\frac{-4}{15})$
8. Evaluate :
- (a) $(\frac{3}{11} \times \frac{5}{6}) - (\frac{9}{12} \div \frac{3}{4}) + (\frac{5}{13} \times \frac{6}{15})$
- (b) $(\frac{1}{4} \times \frac{2}{7}) + (\frac{3}{7} \times \frac{9}{2}) - (\frac{5}{14} \div \frac{3}{-2})$