

ATOIMC ENERGY EDUCATION SOCIETY , MUMBAI

WORK SHEET – 2/3 (15 marks)

CHOOSE THE CORRECT OPTION.

1. If $\frac{-2}{5} + m = \frac{4}{5}$, then $m =$ ----- (1 Mark)
(a) $\frac{-6}{5}$ (b) $\frac{6}{5}$ (c) $\frac{2}{5}$ (d) $\frac{-2}{5}$
2. Which of the following relation is correct ? (1 Mark)
a) $\frac{-7}{5} < \frac{14}{-10}$ b) $\frac{-9}{-13} > \frac{-18}{26}$ c) $\frac{-9}{-13} = \frac{-18}{26}$ d) $\frac{12}{-27} > \frac{-4}{9}$
3. Which of the following rational number lies between -1 and 0 ? (1Mark)
a) $\frac{-1}{-10}$ b) $\frac{-5}{4}$ c) $\frac{4}{-5}$ d) $\frac{-7}{3}$
4. Find the value of the following. (3 Marks)
(i) $\frac{-3}{7} + \frac{2}{3}$ (ii) $\frac{-5}{6} - (\frac{-3}{11})$ (iii) $(\frac{7}{9} - \frac{2}{5}) + (\frac{-4}{45})$
5. Find 6 rational numbers between -2 and -1 . (3 Marks)
6. Simplify: $[2\frac{3}{4} - (\frac{2}{3} - \frac{5}{4})]$. (3 Marks)
7. Write the following Rational Numbers in ascending order. (3 Marks)
(i) $\frac{-3}{-5}, \frac{-2}{5}, \frac{-7}{10}, \frac{13}{-4}$ and 0 (ii) $\frac{-2}{9}, \frac{-7}{3}, \frac{-1}{-4}$, and $\frac{5}{-6}$.
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Try These:

1. Find $\frac{-3}{7} + \frac{2}{3}$. 4 Find $2\frac{1}{5} - \frac{(-1)}{3}$
2. Find $\frac{-5}{6} + \frac{-3}{11}$. 5. What should be added to $\frac{7}{15}$ to get $(\frac{-3}{8})$.
3. What will be the additive inverse of $\frac{-3}{9}$?
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