

RATIONAL NUMBERS

WORK SHEET 3/3 (MODULE – 3)

CLASS :7

Choose the correct Answer

1.The reciprocal of $\frac{-5}{7}$ is

- a) $\frac{5}{7}$ b) $\frac{7}{5}$ c) $\frac{-7}{5}$ d) $\frac{-7}{-5}$ (1MARK)

2.The value of $\frac{7}{15} \times \frac{3}{7}$ (1MARK)

- (a) $\frac{2}{5}$ (b) $\frac{5}{7}$ (c) $\frac{1}{5}$ (d) $\frac{5}{15}$

3. If $\frac{-10}{7} \times \frac{m}{5} = \frac{-6}{7} + \frac{3}{14}$, then the value of m= ----- . (1MARK)

- a) $\frac{-9}{14}$ b) $\frac{9}{4}$ c) $\frac{-7}{5}$ d) $\frac{-14}{-5}$

4 . Evaluate the following. (3 Marks)

$$\left[\frac{-25}{18} \times \frac{9}{5} \right] \div \left[\frac{-13}{2} + 1 - \frac{3}{4} \right]$$

5. If $p = \frac{-11}{6} \div \frac{55}{18}$, $q = \frac{-25}{18} \times \frac{9}{5}$, find the value of $\frac{p+q}{p-q}$ (3 Marks)

6. Simplify: $\left\{ \frac{-7}{-5} \times \left[\left(\frac{-6}{7} + \frac{14}{3} \right) \div \left(\frac{-6}{7} + \frac{14}{3} \right) \right] \right\}$ (3 Marks)

7. Find the value of $a + b$, if $a = \frac{-6}{7} \times \frac{14}{3}$ and $b = \frac{-10}{9} \div \frac{15}{27}$ (3marks)

