

REVISION PRACTICE ASSIGNMENT (RPA)

SUBJECT- MATHS

SESSION-2020-21

CLASS- 8

TOPIC:Ch-1(Rational Number)

Q1. Choose the correct option

(1 ×5 = 5 marks)

- (a) What should be added to $-\frac{5}{4}$ to get -1 ?
(I) $\frac{-1}{4}$ (II) $\frac{1}{4}$ (III) 1 (IV) $\frac{-3}{4}$
- (b) Which of the following is the Multiplicative identity for rational numbers?
(I) 1 (II) -1 (III) 0 (IV) None of these
- (c) Which of the following lies between 0 and -1 ?
(I) $\frac{1}{3}$ (II) $\frac{3}{4}$ (III) $\frac{-3}{4}$ (IV) $\frac{-5}{4}$
- (d) Which of the following is the reciprocal of the reciprocal of a rational number?
(I) -1 (II) 1 (III) 0 (IV) The number itself
- (e) Which of the following is the product of $(\frac{-7}{8})$ and $(\frac{4}{21})$?
(I) $\frac{-1}{6}$ (II) $\frac{1}{12}$ (III) $\frac{-63}{16}$ (IV) $\frac{-16}{147}$

Q2. Do as directed:

(1 ×5=5 marks)

- (a) Which rational number has no reciprocal?
- (b) What is the additive inverse of $\frac{-3}{5}$?
- (c) Which of the rational numbers $\frac{4}{9}$, $\frac{-5}{6}$, $\frac{-7}{-12}$ and $\frac{11}{-24}$ is the smallest?
- (d) Evaluate: $\frac{2}{5} \times (\frac{-4}{5} + \frac{-3}{10})$
- (e) Find: $\frac{5}{22} + \frac{3}{7} + (\frac{-8}{21}) + (\frac{-6}{11})$

Q3. Solve:

(2 ×3= 6 marks)

- (a) . Find four rational number between $\frac{3}{7}$ and $\frac{2}{3}$
- (b) .Represent the rational numbers $\frac{9}{4}$ on the number line.
- (c) The product of two rational numbers is $\frac{-28}{81}$ If one of them is $\frac{-2}{3}$ then find the other.

Q4. Solve:**(1 ×4= 4 marks)**

Mr. Rajat earns Rs 64000 per months. He spends $\frac{1}{4}$ of his income on food; $\frac{3}{10}$ of the remainder on house rent and $\frac{5}{21}$ of the remainder on the education of children. How much money is still left with him?