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HOME ASSIGNMENT

CLASS - VII

CHAPTER - 9 [RATIONAL NUMBERS]

Ques 1: Arrange the following rational numbers in ascending order:-

$$\rightarrow \frac{-9}{10}, \frac{-5}{20}, \frac{7}{12}, \frac{2}{5} \quad \left[\text{Ans } \frac{-9}{10} < \frac{-5}{20} < \frac{2}{5} < \frac{7}{12} \right]$$

Ques 2: Add $\frac{-1}{12}, \frac{3}{8}, \frac{-5}{6}$ [Ans $\frac{-13}{24}$]

Ques 3: Divide the sum of $\frac{12}{5}$ and $\frac{13}{7}$ by the product of $\frac{-4}{7}$ and $\frac{-1}{2}$ [Ans $14\frac{9}{10}$]

Ques 4: Simplify

$$\rightarrow \frac{-8}{18} \times \frac{54}{32} \times \frac{-8}{28} \quad \left[\text{Ans } \frac{3}{14} \right]$$

Ques 5: List eleven rational numbers between

$$-4 \text{ and } -3 \quad \left[\text{Ans } \frac{-47}{12}, \frac{-46}{12}, \frac{-45}{12}, \frac{-44}{12}, \frac{-43}{12}, \frac{-42}{12}, \right. \\ \left. \frac{-41}{12}, \frac{-40}{12}, \frac{-39}{12}, \frac{-38}{12}, \frac{-37}{12} \right]$$

Ques 6: What should be subtracted from $\frac{-8}{9}$ to get 0? [Ans $-\frac{8}{9}$]

Ques 7: By what no. should $\frac{-16}{21}$ be divided so that the quotient is $\frac{-4}{3}$? [Ans $\frac{4}{3}$]

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Ques 8. Find $(a+b) \div (a-b)$ if $a = \frac{5}{4}$, $b = -\frac{1}{3}$
[Ans $\frac{11}{19}$]

Ques 9. Multiply $-3\frac{4}{17}$ and $-\frac{85}{33}$ and express the result as mixed $3\frac{1}{3}$ form. [Ans $8\frac{1}{3}$]

Ques 10. Find x such that $-\frac{3}{8}$ and $\frac{x}{-24}$ are equivalent rational no. [Ans 9]