VII – Mathematics Assignment No-02 – Rational Numbers

Q1. Compare $\frac{5}{6}$ and $\frac{7}{9}$

Q2. Which one is greater $\frac{2}{-3}$ or $\frac{-7}{5}$

Q3. Arrange the rational numbers $\frac{-3}{5}, \frac{7}{-10}, \frac{-5}{6}$ in descending order

Q4. Arrange the following rational numbers in ascending order.

$\frac{2}{3}, \frac{3}{4}, \frac{-1}{5}, \frac{5}{-6}, \frac{-7}{12}$

Q5. Write 5 rational numbers between $\frac{1}{2}$ and $\frac{1}{3}$

Q6. Write 3 rational numbers between $\frac{-4}{5}$ and $\frac{-2}{3}$

Q7. Write four more rational numbers of the following pattern.

$\frac{-2}{5}, \frac{-4}{5}, \frac{-6}{5}, \frac{-8}{5}, \ldots\ldots\ldots$

Q8. Which of the two rational numbers $\frac{-5}{12}$ and $\frac{7}{-18}$ is greater?

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Q9. Convert the following rational nos to have same denominators:

$\frac{-3}{4}, \frac{2}{3}, \frac{5}{6}, \frac{7}{-8}$

Q10. From the following, find the smallest and greatest rational number.

$\frac{-3}{4}, \frac{14}{-18}, \frac{2}{3}, \frac{5}{-6}, \frac{-9}{-36}$

ANSWERS

Q1. $\frac{5}{6} > \frac{7}{9}$	(Q5) $\frac{13}{36}, \frac{14}{36}, \frac{15}{36}, \frac{16}{36}, \frac{17}{36}$	Q10. Smallest $\frac{5}{-6}$ Greatest $\frac{2}{3}$.
Q2 $\frac{2}{-3} > \frac{-7}{5}$	(Q6) $\frac{-41}{60}, \frac{-42}{60}, \frac{-43}{60}$	
Q3 $\frac{-3}{5}, \frac{7}{-10}, \frac{-5}{6}$	(Q7) $\frac{-10}{5}, \frac{-12}{5}, \frac{-14}{5}, \frac{-16}{5}$	
Q4. $\frac{5}{-6}, \frac{-7}{12}, \frac{-1}{5}, \frac{2}{3}, \frac{3}{4}$	Q8. $\frac{7}{-18} > \frac{-5}{12}$	
	Q9. $\frac{-18}{24}, \frac{16}{24}, \frac{20}{24}, \frac{-4}{24}$	