RATIONAL NUMBERS

RATIONAL NUMBERS BETWEEN TWO RATIONAL NUMBERS

EXERCISE

Q.1 Write five rational numbers which are smaller than 2.

Q.2 Find ten rational numbers between $\frac{-2}{5}$ and $\frac{1}{2}$.

Q.3 Find five rational numbers between.

(i) $\frac{2}{3}$ and $\frac{4}{5}$ (ii) $\frac{-3}{2}$ and $\frac{5}{3}$

(iii) $\frac{1}{4}$ and $\frac{1}{2}$

Q.4 Write five rational numbers greater than –2.

Q.5 Find ten rational numbers between $\frac{3}{5}$ and $\frac{3}{4}$.

ANSWER KEY

1. Some of these are 1, $\frac{1}{2}$, 0, –1, $\frac{-1}{2}$

2. $\frac{-7}{20}, \frac{-6}{20}, \frac{-5}{20}, \frac{-4}{20}, \frac{-3}{20}, \frac{-2}{20}, \frac{-1}{20}$, 0, ..., $\frac{1}{20}, \frac{2}{20}$ (These can be many more such rational numbers)

3. (i) $\frac{41}{60}, \frac{42}{60}, \frac{43}{60}, \frac{44}{60}, \frac{45}{60}$

(ii) $\frac{-8}{6}, \frac{-7}{6}$, 0, $\frac{1}{6}, \frac{2}{6}$

(iii) $\frac{9}{32}, \frac{10}{32}, \frac{11}{32}, \frac{12}{32}, \frac{13}{32}$

(There can be many more such rational numbers)

4. $\frac{-3}{2}, -1, \frac{-1}{2}, 0, \frac{1}{2}$ (There can be many more such rational numbers)

5. $\frac{97}{160}, \frac{98}{160}, \frac{99}{160}, \frac{100}{160}, \frac{101}{160}, \frac{102}{160}, \frac{103}{160}, \frac{104}{160}, \frac{105}{160}, \frac{106}{160}$

(There can be many more such rational numbers)