

Exercise 4A

Q1

Answer:

The numbers that are in the form of $\frac{p}{q}$, where p and q are integers and q \neq 0, are called rational numbers.

For example:

Five positive rational numbers:

$$\frac{5}{7}$$
, $\frac{-3}{-4}$, $\frac{7}{8}$, $\frac{-14}{-15}$, $\frac{5}{9}$

Five negative rational numbers:

$$\frac{-3}{7}$$
, $\frac{-3}{8}$, $\frac{8}{-9}$, $\frac{-19}{25}$, $\frac{8}{-25}$

Yes, there is a rational number that is neither positive nor negative, i.e. zero (0).

Q3

Answer:

(i) $\frac{8}{19}$

Numerator = 8

Denominator =19

(ii) $\frac{5}{-8}$ Numerator = 5 Denominator = -8

(iii)
$$\frac{-13}{5}$$

********* END ********