Rational Numbers Ex 4.1 Q5

Answer :

Rational numbers of given integers with denominator 1 are:

$\frac{-15}{1}$,
$\frac{17}{1}$,
$\frac{85}{1}$,
$\frac{-100}{1}$

Rational Numbers Ex 4.1 Q6

Answer :

Smallest three-digit number = 100

Largest four-digit number = 9999

$\therefore$ Required rational number = $\frac{100}{9999}$

Rational Numbers Ex 4.1 Q7

Answer :

Given rational numbers can be rewritten as:

$$\frac{5}{7}, -\frac{12}{5}, \frac{7}{4}, -\frac{13}{9}, 0, \frac{18}{7}, -\frac{95}{116}, \frac{1}{9}$$

Thus, positive rational numbers are:

$$\frac{5}{7}, \frac{7}{4}, \frac{18}{7}, \frac{1}{9}$$
or, $\frac{-5}{-7}, \frac{7}{4}, 0, \frac{-18}{-7}, \frac{-6}{-9}$

Negative rational numbers are:

$$-\frac{12}{5}, -\frac{13}{9}, -\frac{95}{116}$$
or, $\frac{12}{-5}, \frac{13}{-9}, \frac{-95}{116}$

Rational Numbers Ex 4.1 Q8

Answer :

The numbers can be rewritten as:

$(i) \quad -\frac{8}{7}$

$(ii) \quad \frac{9}{8}$

$(iii) \quad \frac{19}{13}$

$(iv) \quad -\frac{21}{13}$

Positive rational numbers are (ii) and (iii), i.e., $\frac{9}{8}$ and $\frac{-19}{-13}$.

Rational Numbers Ex 4.1 Q9

Answer :

The numbers can be rewritten as:

$(i) \quad -\frac{3}{7}$

$(ii) \quad \frac{5}{8}$

$(iii) \quad -\frac{9}{83}$

$(iv) \quad \frac{115}{197}$

Negative rational numbers are (i) and (iii).

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