



Rational Numbers Ex 4.1 Q5

Answer :

Rational numbers of given integers with denominator 1 are:

$$\begin{aligned} &\frac{-15}{1}, \\ &\frac{17}{1}, \\ &\frac{85}{1}, \\ &\frac{-100}{1} \end{aligned}$$

Rational Numbers Ex 4.1 Q6

Answer :

Smallest three-digit number = 100

Largest four-digit number = 9999

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

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:

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

Negative rational numbers are:

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

Rational Numbers Ex 4.1 Q8

Answer :

The numbers can be rewritten as:

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

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

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

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

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:

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

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

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

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

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

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