## **Rational Numbers in Standard Form**

A rational number p/q is said to be in standard form if:

- (i) The denominator (q) is a positive integer
- (ii) P and q are co-primes, i.e., have no common factor other then 1.

## Let us understand with an Example:

**Example:** Express -15/36 in standard form.

**Solution:** The denominator of -15/36 is positive, for expressing it in standard form, we find the HCF of 15 and 36, which is 3.

Now on dividing both the numerator and denominator by 3, we get

$$\left(\frac{-15}{36}\right) = \frac{(-15) \div 3}{36 \div 3} = \frac{-5}{12}$$

**Thus,** the standard form of  $\frac{-15}{36}$  is  $\frac{-5}{12}$