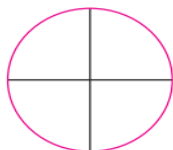
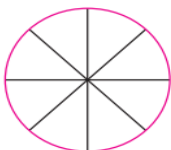


Introduction of Rational Numbers

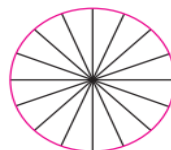
⇒ If we divide anything in two parts then one of the part is called half of one thing and denoted by $\frac{1}{2}$. It means we can divide the same thing into many parts. Like this given below.



Each part is $\frac{1}{4}$



Each part is called $\frac{1}{8}$



Each part is called $\frac{1}{16}$

Hence, the number is divided into many parts called Rational Numbers. The upper number is called Numerator and the below number is called denominator.

Definition: A number which is in the form $\frac{p}{q}$, where p and q are integers and $q \neq 0$, is called rational number.

Example: $\frac{5}{6}$ is rational number because both 5 and 6 are integers and the denominator 6 is not equal to zero.