

**Subject : MATHS**

**04.07.2020**

**Class 5**

**Lesson: 7 Fractions**

**Dear students,**

**Today you are going to start a new lesson Fractions. This is very interesting and important lesson for you. Before going over practice set you must understand Fractions and its types. So today I am giving you definition of Fractions. Write and remember and send in group.**

## FRACTION (Part 1)

Fraction represents equal parts of a collection or group of objects.

It is denoted by  $\frac{p}{q} = \frac{2}{3}, \frac{4}{5}, \frac{6}{7}$

$p$  = Numerator

$q$  = Denominator

◆

Types of Fraction

1. Like fractions: → Fractions that have the same denominator, are called like fraction.

ex-  $\frac{2}{7}, \frac{3}{7}, \frac{4}{7}$  and  $\frac{5}{7}$

2. Proper fraction: → A fraction whose numerator is less than its denominator is called a proper fraction.

→ Its value is always less than one (1).

ex-  $\frac{2}{3}, \frac{4}{7}, \frac{5}{8}, \frac{1}{3}$  etc.

- (3) Unlike fraction  $\rightarrow$  fractions that have different denominators are called unlike fractions.

$$\text{ex} - \frac{2}{5}, \frac{3}{8}, \frac{7}{9}, \frac{5}{7} \text{ etc.}$$

- (4) Improper fraction  $\rightarrow$  A fraction whose numerator is greater than or equal to its denominator is called a improper fraction.

$$\text{ex} \rightarrow \frac{8}{3}, \frac{8}{8}, \frac{11}{11}, \frac{9}{5}, \frac{9}{5} \text{ and } \frac{21}{12}$$

- (5) Unit fraction  $\rightarrow$  fraction with numerator 1 are called unit fractions.

$$\text{ex} - \frac{1}{2}, \frac{1}{5}, \frac{1}{7}, \frac{1}{9} \text{ etc.}$$

- (6) mixed number or mixed fraction  $\rightarrow$   
A combination of a whole number and a proper fraction is called a mixed number or a mixed fraction.

$$\text{Ex} - \frac{9}{7}, 1\frac{4}{9}, 1\frac{5}{8}, 2\frac{5}{7} \text{ etc.}$$

class V

(7) **Reciprocal Fraction**  $\Rightarrow$  If the product of two fraction is 1, then each are called **Reciprocal fractions**.

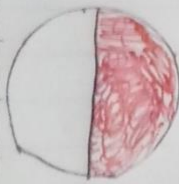
Ex:  $\Rightarrow \frac{2}{5}$  is the reciprocal of  $\frac{5}{2}$

$$\text{Since, } \frac{2}{5} \times \frac{5}{2} = 1$$

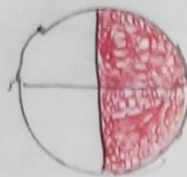
$\frac{3}{7}$  is the reciprocal of  $\frac{7}{3}$

$$\text{Since, } \frac{3}{7} \times \frac{7}{3} = 1$$

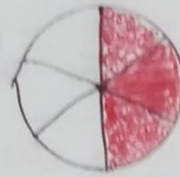
(8) **Equivalent fractions**  $\Rightarrow$



$$\frac{1}{2}$$



$$\frac{2}{4}$$



$$\frac{3}{6}$$

So,  $\frac{1}{2} = \frac{2}{4}, \frac{3}{6}, \frac{4}{8}, \frac{5}{10} \dots$  etc.

Such fractions that represent the same part of the whole are called **equivalent fraction**.

## Home assignments:-

- To write and remember and send in group.

**Subject Tr. Rohit Kumar**