MONTH : AUGUST

SESSION : 11

CLASS : V

SUBJECT : MATHEMATICS

CHAPTER NUMBER: 9

CHAPTER NAME : FRACTION

SUB-TOPIC : FRACTIONS , TYPES OF FRACTIONS

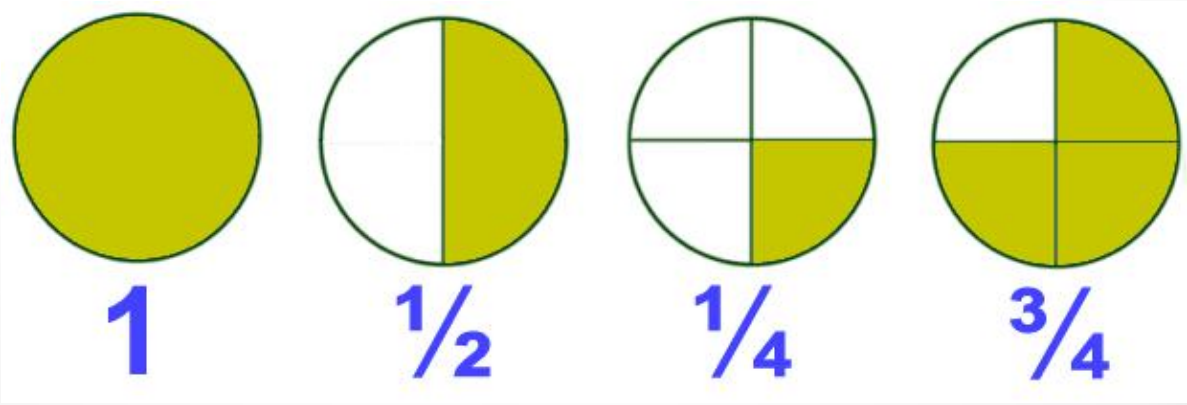
EXERCISE 9 A Q.NO.1

LEARNING OBJECTIVE :

Enable the students

- **To identify types of fractions.**
- **To compare and contrast different types of fractions.**

A fraction tells us how many parts of a whole we have.



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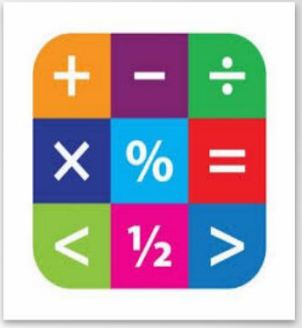
QUICK REVISION

Numerator
(number of parts we have)

$$\frac{2}{5}$$

Denominator
(total parts in whole)

TYPES OF FRACTIONS



1. LIKE FRACTION

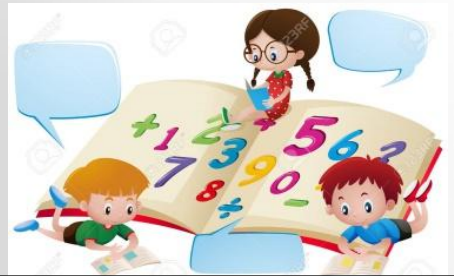
Fractions which have **same denominators** are like fractions.

$\frac{2}{7}$ $\frac{4}{7}$ $\frac{5}{7}$ $\frac{6}{7}$

2. UNLIKE FRACTION

Fractions which are **not like fractions** are called unlike fractions.

$\frac{2}{7}$ $\frac{7}{8}$ $\frac{5}{9}$ $\frac{3}{5}$



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TYPES OF FRACTIONS

3. PROPER FRACTION

A fraction whose **numerator is smaller** than the denominator is called the proper fraction.

$\frac{2}{7}$ $\frac{7}{8}$ $\frac{5}{9}$ $\frac{3}{5}$

4. IMPROPER FRACTION

A fraction whose **numerator is greater** than the denominator is called the improper fraction.

$\frac{9}{7}$ $\frac{11}{8}$ $\frac{13}{9}$ $\frac{7}{5}$

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TYPES OF FRACTIONS

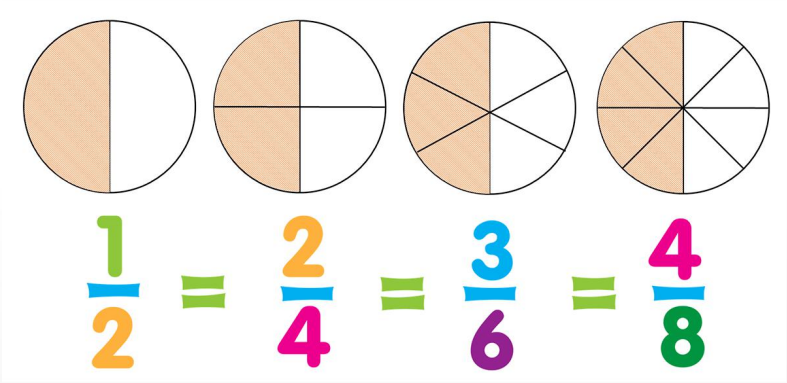
5. MIXED FRACTION

A fraction which has a **whole number and a proper fraction** is called mixed fraction.

$3\frac{2}{7}$ $5\frac{7}{8}$ $2\frac{5}{9}$ $4\frac{3}{5}$

6. EQUIVALENT FRACTION

Two or more fractions **representing the same part** of the whole are called equivalent fraction.



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TYPES OF FRACTIONS

We can find equivalent fraction by :
Dividing by the same number
Multiplying the same number

8. RECIPROCAL FRACTION

When the product of two fractions is equal to 1, they are called reciprocal fractions.

$\frac{2}{7}$ and $\frac{7}{2}$ $\qquad$ $\frac{5}{9}$ and $\frac{9}{5}$

$$\frac{\cancel{5}^{1}}{\cancel{9}} \times \frac{\cancel{9}^{1}}{\cancel{5}}$$

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EXERCISE – 9 A

1. Write 4 equivalent fractions of the following

a. $\frac{1}{3} = \frac{2}{6} \quad \frac{3}{9} \quad \frac{4}{12} \quad \frac{10}{30}$

b. $\frac{4}{5} = \frac{8}{10} \quad \frac{12}{15} \quad \frac{16}{20} \quad \frac{20}{25}$

c. $\frac{1}{6} = \frac{2}{12} \quad \frac{4}{24} \quad \frac{5}{30} \quad \frac{6}{36}$

a. Multiply 2, 3, 4 and 10

b. Multiply 2 , 3, 4 and 5

c. Multiply 2 , 4, 5 and 6

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EXERCISE – 9 A

1. Write 4 equivalent fractions of the following

d. $\frac{2}{11} = \frac{4}{22} \quad \frac{10}{55} \quad \frac{12}{66} \quad \frac{16}{88}$

e. $\frac{4}{15} = \frac{8}{30} \quad \frac{24}{90} \quad \frac{32}{120} \quad \frac{44}{165}$

d. Multiply 2, 5, 6 and 8

e. Multiply 2 , 6, 8 and 11

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Home Assignment : Complete Exercise 9 A Q.no. 2 in the note book.

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