



CLASS NOTES

Multiplication of Fractions

Multiplication of Fraction by a Whole number



$$\frac{1}{4} + \frac{1}{4} = \frac{2}{4}$$

i.e., $\frac{1}{4} + \frac{1}{4} = 2 \times \frac{1}{4} = \frac{2}{4}$

To multiply a whole number with a proper or an improper fraction, we multiply the whole number with the numerator of the fraction, keeping the denominator same.

To multiply a mixed fraction to a whole number, first convert the mixed fraction to an improper fraction and then multiply.

Example: $2 \times 4\frac{2}{5} = 2 \times \frac{22}{5} = \frac{44}{5}$

**Fraction as an operator 'Of'**

The 'of' operation basically represents multiplication.

Example: $\frac{1}{6}$ of 18 = $\frac{1}{6} \times 18 = \frac{18}{6} = 3$

$$\frac{1}{2} \text{ of } 11 = \frac{1}{2} \times 11 = \frac{11}{2}$$

