



## Conversion of percentage

Conversion of percentage means changing percentage into fractions, decimals, or numbers, and vice versa. This helps in solving real-life problems in shopping, marks, savings, etc.

### To convert percent to fraction

- Divide the percentage by 100

- **Example:**  $25\% = \frac{25}{100} = \frac{1}{4}$

### To convert percent to decimal

- Divide by 100
- **Example:**  $75\% = 75 \div 100 = 0.75$

### To convert fraction to percent

- Multiply the fraction by 100
- **Example:**  $\frac{2}{5} \times 100 = 40\%$

### To convert decimal to percent

- Multiply the decimal by 100 and add % sign
- **Example:**  $0.6 \times 100 = 60\%$

## Examples with Solutions

### Example

Convert 45% to fraction

- $45\% = \frac{45}{100} = \frac{9}{20}$

**Answer:**  $\frac{9}{20}$

### Example

Convert  $\frac{3}{4}$  into percent

- $\frac{3}{4} \times 100 = 75\%$

**Answer:** 75%



### Example

Convert 0.25 into percent

- $0.25 \times 100 = 25\%$

**Answer:** 25%

### Example

Convert 80% into decimal

- $80 \div 100 = 0.8$

**Answer:** 0.8

### Example

Convert  $\frac{2}{5}$  into percent

- $\frac{2}{5} \times 100 = 40\%$

**Answer:** 40%

### Summary Points

- Divide by 100 to convert percent to fraction or decimal.
- Multiply by 100 to convert fraction or decimal to percent.
- Always simplify the fraction if possible.
- Conversions help in solving many practical problems.
- Practice helps in remembering steps quickly.