



## Like and Unlike Fractions

### Understanding Notes

- Like fractions are fractions that have the same denominator

**Example:**  $\frac{1}{5}, \frac{2}{5}, \frac{4}{5}$  are like fractions because the denominator is 5 in all

- Like fractions show parts of the same-sized whole
- Unlike fractions are fractions that have different denominators

**Example:**  $\frac{1}{3}, \frac{2}{5}, \frac{5}{6}$  are unlike fractions because their denominators are different

- Like fractions are easy to add and subtract because their parts are the same size
- Unlike fractions must be changed into like fractions before comparing, adding, or subtracting
- We can use models or pictures to understand like and unlike fractions better
- It is important to check the denominator before solving any fraction problem
- Learning to identify like and unlike fractions helps in solving many fraction questions

### Examples with Solutions

**Example 1:** Identify which group is like fractions

**Group A:**  $\frac{2}{6}, \frac{4}{6}, \frac{5}{6}$

**Group B:**  $\frac{1}{2}, \frac{3}{4}, \frac{5}{8}$

**Solution:** Group A has like fractions

**Example 2:** Which are unlike fractions

**Fractions:**  $\frac{1}{3}, \frac{1}{4}, \frac{1}{5}$

**Solution:** These are unlike fractions as all denominators are different

**Example 3: Word Problem**

Ravi drank  $\frac{2}{7}$  of juice and Tina drank  $\frac{3}{7}$  of juice. Are the fractions like or unlike

**Solution:** Like fractions because both have denominator 7

**Example 4: Fill in the blank**

Fractions with same denominators are called \_\_\_\_ fractions



**Solution:** Like fractions

**Example 5:** Match the pair

- $\frac{1}{6}$  and  $\frac{2}{6} \rightarrow$  Like
- $\frac{1}{5}$  and  $\frac{1}{3} \rightarrow$  Unlike
- $\frac{3}{9}$  and  $\frac{5}{9} \rightarrow$  Like
- $\frac{4}{7}$  and  $\frac{4}{8} \rightarrow$  Unlike
- $\frac{2}{10}$  and  $\frac{6}{10} \rightarrow$  Like

### Summary Point

- Like fractions have the same denominator.
- Unlike fractions have different denominators.
- Like fractions are easy to compare and calculate.
- Understanding the type of fraction helps in solving problems correctly.
- Always look at the denominator to know if the fractions are like or unlike.