# Addition of Whole Numbers and Fractions

#### **Understanding the Topic**

- Sometimes we need to add a whole number and a fraction together.
- A whole number is a complete quantity, and a fraction is a part of a whole.
- We can keep the whole number as it is and just add the fraction to it.
- If the fraction part becomes an improper fraction, we can convert it into a mixed number.
- The final answer can be in mixed form or simplified form if needed.

#### **Examples with Solutions**

#### Example:

## Add 3 and $\frac{1}{4}$

```
Keep 3 as it is and add \frac{1}{4}
```

```
Answer: 3\frac{1}{4}
```

### Example:

### Add 5 and $\frac{2}{3}$

Whole number is 5

Fraction is  $\frac{2}{3}$ Answer:  $5\frac{2}{3}$ 

### Example:

Add 2 and  $\frac{5}{5}$  $\frac{5}{5} = 1$ 2 + 1 = 3 Answer: 3

### Example:

```
Add 4 and \frac{3}{2}
```

 $\frac{3}{2}$  is an improper fraction =  $1\frac{1}{2}$ 

 $4 + 1\frac{1}{2} = 5\frac{1}{2}$ 

Answer:  $5\frac{1}{2}$ 

### Example:

## Add 6 and $\frac{7}{8}$

- Whole number is 6
- Fraction is  $\frac{7}{8}$
- Answer:  $6\frac{7}{8}$

### **Summary Points**

- To add a whole number and a fraction, simply combine them.
- If the fraction is improper, convert it into a mixed number.
- Add the whole numbers separately and write the final answer neatly.
- Understand how to convert improper fractions to mixed numbers for better accuracy.
- Addition of whole numbers and fractions is useful in real life like cooking, measuring, and shopping.