Adding subrating fractions involves combining fractions that have different denominators. To do this, we follow a few simple steps. Let’s break it down:

Step 1: Understand What a Fraction Is

A fraction consists of two parts: the **numerator** (top number) and the **denominator** (bottom number). For example, in the fraction **1/4**, **1** is the numerator and **4** is the denominator.

Step 2: Find a Common Denominator

Before adding fractions, we need to make sure the denominators are the same. This is called finding a **common denominator**. Let’s say we have two fractions: **1/3** and **1/6**. The denominators are **3** and **6**.

- The common denominator between 3 and 6 is 6.

Step 3: Adjust the Fractions

Now we need to convert the fractions so they both have the common denominator of 6:

- For **1/3**, we multiply both the numerator and denominator by 2. So, **1 × 2 = 2** and **3 × 2 = 6**, giving us **2/6**.
- The fraction **1/6** already has the common denominator. So we keep it as **1/6**.

Step 4: Add the Fractions

Now that we have **2/6** and **1/6**, we can add them together. We simply add the numerators and keep the same denominator:

- Numerator: **2 + 1 = 3**
- Denominator: **6**

Putting them together, we get **3/6**.

Step 5: Simplify the Fraction (if necessary)

Sometimes, fractions can be simplified. For **3/6**, we can divide the numerator and denominator by 3:

- Numerator: **3 ÷ 3 = 1**
- Denominator: **6 ÷ 3 = 2**

This gives us the simplified fraction of **1/2**.

Conclusion

So, when you want to add fractions with different denominators, remember: find a common denominator, adjust the fractions, add the numerators, and simplify if you can! Practice with different fractions to get the hang of it.