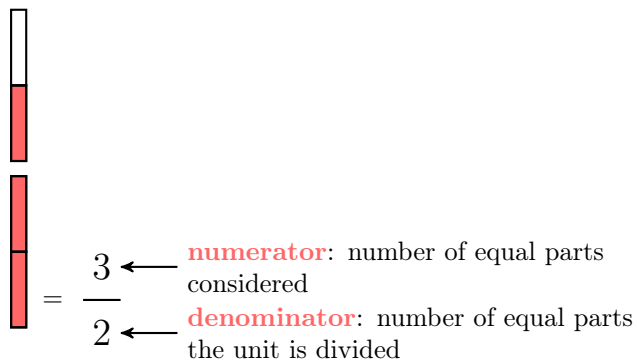


FRACTIONS

A DEFINITIONS

Definition Fraction

A **fraction** includes two numbers: the **numerator** and the **denominator**, separated by a bar.

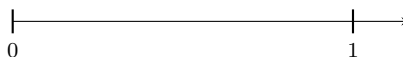


B ON THE NUMBER LINE

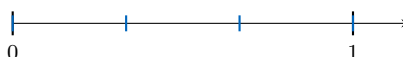
Method Representing a Fraction on the Number Line

To represent the fraction $\frac{2}{3}$ on a number line.

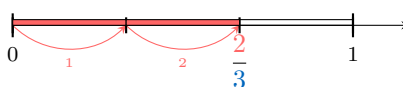
1. Draw a straight line and mark the points 0 and 1.



2. Divide the line between 0 and 1 into 3 equal parts.



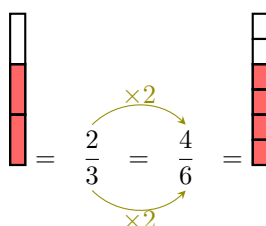
3. Count 2 parts from 0 and mark the point.



C EQUIVALENT FRACTIONS

Definition Equivalent Fractions

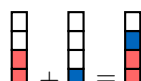
When you multiply the numerator and the denominator by the same number, the fractions are equals.



D ADDITION AND SUBTRACTION

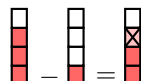
Definition Addition of Fractions with Common Denominators

When we **add** fractions with common denominators, we keep the denominator the same and add the numerators:


$$\frac{2}{4} + \frac{1}{4} = \frac{3}{4}$$

Definition Subtraction of Fractions with Common Denominators

When we **subtract** fractions with common denominators, we keep the denominator the same and subtract the numerators:


$$\frac{3}{4} - \frac{1}{4} = \frac{2}{4}$$