## addition and subtraction of fractions

## What do I need to be able to do?

I By the end of this unit you should be able to:
1-Convert between mixed numbers and fractions
I - add/Subtract unit fractions (same denominator)
1- add/Subtract fractions (same denominator)

-     - add/Subtract fractions from integers
| Use equivalent fractions
- add/Subtract any fractions

1- add/Subtract improper fractions and mixed numbers
Use fractions in algebraic contexts

## Keywords

1 Numerator the number above the line on a fraction The top number. Represents how many parts are taken
Denominator: the number below the line on a fraction. The number represent the total number of parts

## Equivalent: of equal value

Mixed numbers: a number with an integer and a proper fraction
Improper fractions: a fraction with a bigger numerator than denominator
Substitute: replace a variable with a numerical value
Place value: the value of a digit depending on its place in a number. In our decimal number system, each place is I | 10 times bigger than the place to its right


## add/Subtract fractions

## Mixed numbers and fractions

|  |  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  | 1 | 1 | 1 | 1 | 1 | 1 |



## 1 Iadd/ Subtract from integers

## add/Subtraction fractions (common multiples)

$\left(\begin{array}{l}\frac{3}{5}+\frac{7}{10} \\ \frac{6}{10}+\frac{7}{10}\end{array}\right.$
addition/Subtraction needs a common denominator

