Adding Fractions

With Like Denominators

Let's say...

You have 1 doughnut!



You eat 1/2 of it

Now you only have ½ of a doughnut

Your cousin has 1 1/2 doughnuts

And you give her your half.

How many doughnuts does your cousin have?





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







Adding Fractions with a LIKE Denominator

What's a like denominator?

Like denominators means the bottom numbers of the fractions you are adding are the same, like this:

1/4 + 3/4

And NOT like this:

2/3 + 3/5

The bottom numbers(Denominators), 3 & 5 are not the same.

Fractions that have LIKE denominators are added exactly the same as whole numbers.

Example:



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

Fractions that equal Whole Numbers

Whenever the numerator which is the top and the denominator which is the bottom are equal the fraction equals 1.

4/4=1

9/9=1

What are mixed numbers?

And how to add them

A mixed number includes a whole number and a fraction



How do you add a mixed number?

Let's say you're adding : $1_{1/3} + 2_{2/3}$

1. You add the fractions 1/3 + 2/3 = 3/3 = 1

2. Add the whole numbers 1+2 = 3

3. Add the results from your first 2 steps 1+3=4

 $1_{1/3} + 2_{2/3} = 4$

There are two more points that you should know

You can switch the steps around and it still works

 $1_{1/3} + 2_{2/3}$

1. you add the whole numbers 1 + 2 = 3

2. Add the fractions next this time, 1/3 + 2/3 = 1

3. Again you add your results from the first 2 steps, 3+1= 4.

 $1_{1/3} + 2_{2/3} = 4$

Let's look at..

Mixed numbers in doughnuts

You have 1 1/3 doughnuts

1 1/3

Your cousin also has 1 1/3 doughnuts

