Multiplying Fractions

Also, like denominators

Let's Say we have:



Fractions, Additions and Denominators

- There are 15 eggs. If you take 1 egg, the fraction is: 1/15
- If you took 3 eggs, that is:

$$1/15 + 1/15 + 1/15$$

Fractions, Additions and Denominators

If fractions have the same denominator then you add them just like whole numbers

$$1/15 + 1/15 + 1/15 = 3/15$$

What do you call when you add the same thing over and over?

MULTIPLICATION!

$$1/15 + 1/15 + 1/15 = 3 \times 1/15$$

The Denominator is the bottom number of the fraction. Once way to remember this is that the Denominator is down below and both the word Denominator and Down start with the letter D

Same Denominator:

Different Denominator:

Denominator:

- Number of parts
- More than just "the number on the bottom"
- Is the number of pieces that make a WHOLE

Denominator means the number of parts

If there are 15 eggs, then 1 egg is: 1/15

The number 15 on the bottom, the denominator, tells you how many Eggs make up the whole nest of chicken eggs

Multiplying Fractions

Let's say a chicken lays her eggs in 3 rows of 5 eggs each



If we take out 5 of the 15 eggs it is: $\frac{5}{15}$

Because:

1. We have 5 eggs- the Numerator



If we take out 5 of the 15 eggs it is: $\frac{5}{15}$

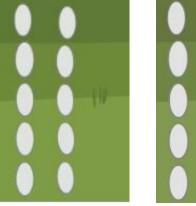
Because:



- 1. We have 5 eggs- the Numerator
- 2. It takes 15 eggs to make the whole- the Denominator

5 out of 15 is also 1/13

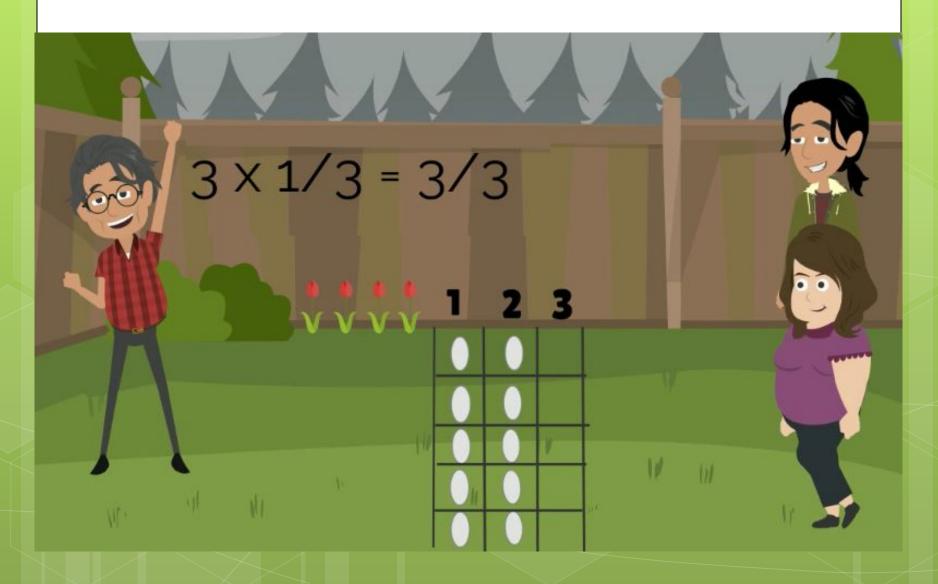
If we think of the whole nest as 3 lines, 3 would be the number of parts to make the whole (denominator) and 1 would be the number of lines we have taken (the numerator).

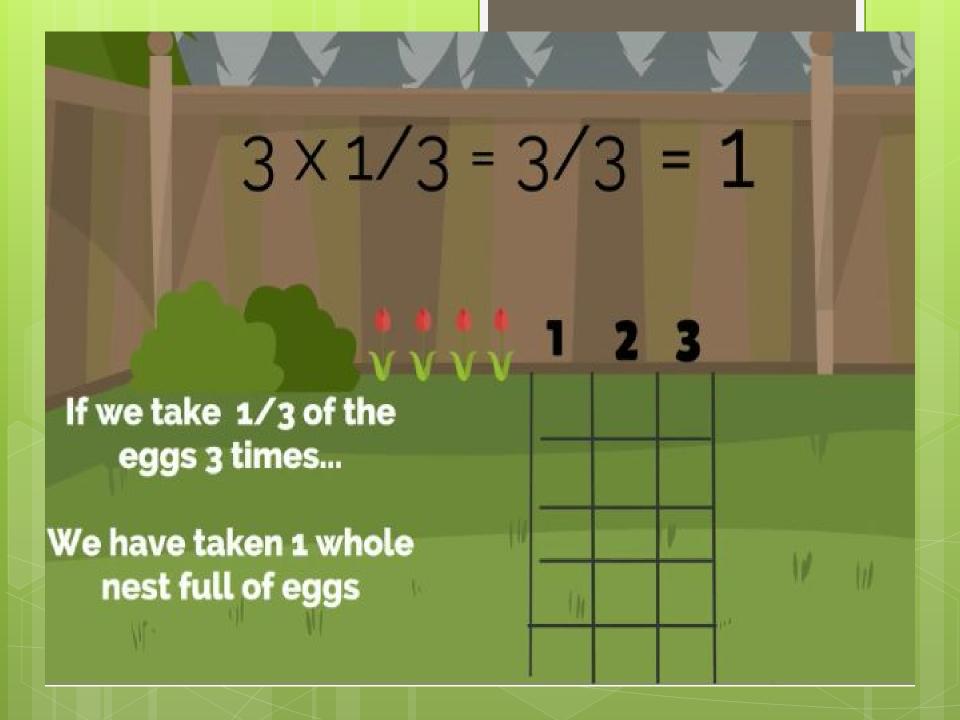






But then 2 people showed up





What if 3 people came to visit?



We already know a whole nest.. = 3/3=1

If there are 4 people we would need:

We need 2 nests We already took 1 whole nest of eggs. And now 1/3 of the other 4/3 = 1 1/3