**Day 1**

Before beginning the lesson, have students take a pre-test on fractions.

Begin the lesson by discussing different foods that you often divide up. Some foods include pie, pizza, graham crackers and Hershey chocolate bars.

Read book about fractions and discuss.

Then introduce vocabulary to students and complete the following together.

**Fractions**

Have you ever eaten a part of something and not been able to finish it completely?

Some foods like pie and pizza are already broken into parts which you can eat.

Other foods, you may eat until you are full and have something left over. If you have ever wondered how much food was left, then you’ve probably measured the amount in fractions.

A fraction is a math term which means that something is broken into parts of a whole.

A pie is a circle that is broken into pieces so it can be shared. Any shape or object can be broken into fractions!

A fraction is made up of two main parts which are separated by a line. The top part (the number on top) is called the **numerator**. The bottom part (the number on the bottom) is called the **denominator.**

In this fraction: **4/5**

Four is the numerator and five is the denominator.

The most common fraction is a whole. If you have a whole pie then no pieces have been eaten in it.

Let’s say you have a pie which is cut into 6 pieces.

No one has eaten any of the pie yet so there is: 6 out of 6 pieces of pie left.

In fraction form this is**: 6/6**

Any number that is the same on the top and on the bottom is called: **One Whole.**

**One Whole**

Pretend the picture above is a rectangular pizza cut into six pieces. The area that is shaded is what has not been eaten. Since everything is shaded in, then the whole pizza has not been eaten. If you were to tell how many pieces of pizza are left you would say 6 out of 6 pieces or one whole.

Fractions can be broken up into other amounts as well. For example, you have a small pie which you cut into three pieces.

**Two Thirds**



One person ate a piece of pie leaving 2 pieces of pie left. To write this in fraction form you’d first choose the amount of pieces that were not eaten. This number will be the numerator.

Since 2 pieces have not been eaten the numerator is 2. The bottom number is the total number of pieces you had to begin with. So since the pie was cut into 3 pieces the denominator is 3.

**The fraction form: 2/3**

Of course, the fraction of pie that was eaten would be what is not shaded. Since 1 piece has been eaten the fraction for the amount of pie that has been eaten is: 1/3 Another way to show the fraction is:  **One Third**

**Here are other common fractions**

One Fourth Shaded. 1/4 Three Fourths Not Shaded 3/4



**One Half Shaded & Not Shaded**



It is easy to write fractions in number form. The first number is the numerator and the second number is in the denominator.

One Fifth = 1/5

Two Eighths = 2/8

Seven tenths = 7/10

Watch the farm video on fractions and complete the farm worksheet together.