Math - Fractions

Learning Goal:

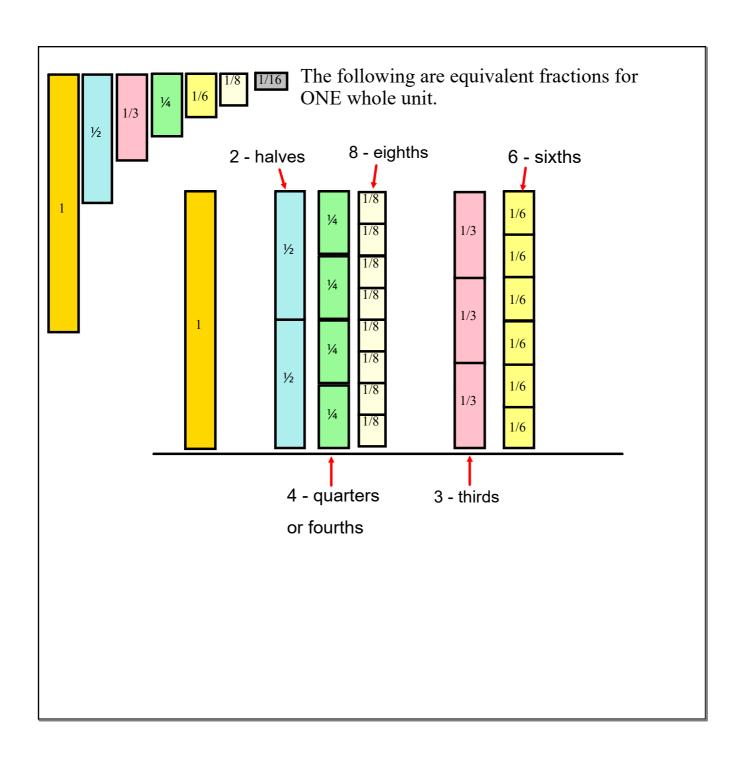
By the end of this lesson I should be able to create equivalent fractions (fractions that have the same value, but a different appearance), WITHOUT the use of a calculator (technology).

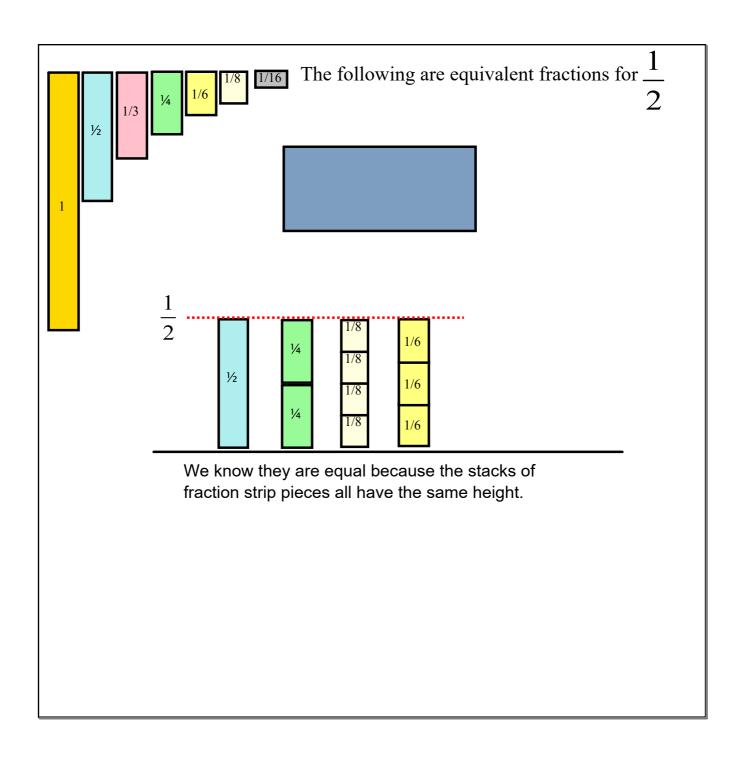
Equivalent Fractions

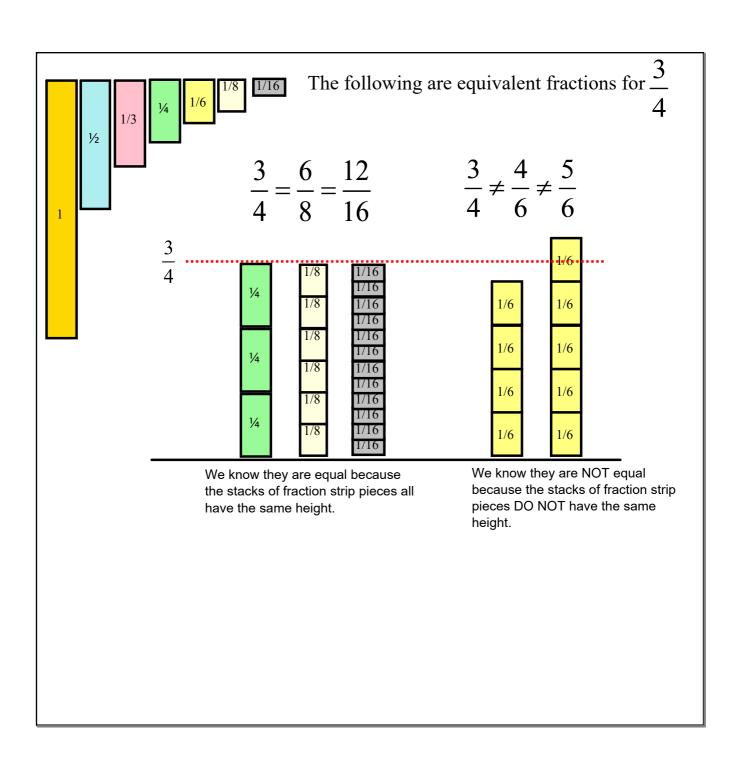
- the root word in Equivalent is "equal"
- in mathematics expressions can have <u>different appearances</u> but the <u>same value</u>

$$7 + 1 = 8$$

$$\sqrt{121} = 11$$







What fraction amounts do the following represent:		
	Answer	
	Answer	
	Answer	

Algebraic Technique for Equivalent Fractions

Does multiplying by "1" change the value of number?

$$5 \times 1 =$$

Can "1" be represented in more than one way?



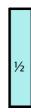
Algebraic Technique for Equivalent Fractions

"one"

Multiply both the top and bottom values by the SAME amount.

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

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



1/4

1/6 1/6

 $\frac{1}{2}$

 $\frac{2}{4}$

 $\frac{1}{2}$

 $\frac{3}{6}$

Create two more equivalent fractions of your own.

$$\frac{1}{2} \times - =$$

$$\frac{1}{2} \times - =$$

Algebraic Technique for Equivalent Fractions

Find three equivalent fractions for $\frac{3}{4}$

 $\frac{3}{4}$

 $\frac{3}{4}$

 $\frac{3}{4}$

Press PAUSE on the video and try the following Find the TWO Equivalent fractions for the following:

$$\frac{7}{8}$$

$$\frac{1}{3}$$

$$\frac{3}{5}$$

$$\frac{11}{12}$$

