QUICK TIP!

Hey Kids! Time for a super fun math lesson, courtesy of Math Madness!

EQUIVALENT FRACTIONS

Different fractions can mean the same thing. Consider a pie: 1/2, 2/4 and 3/6 of a pie are all the same amount of pie. It's just sliced up differently.

You can create quivalent fractions by multipling or dividing the numerator and denominator of a fraction by the same value.

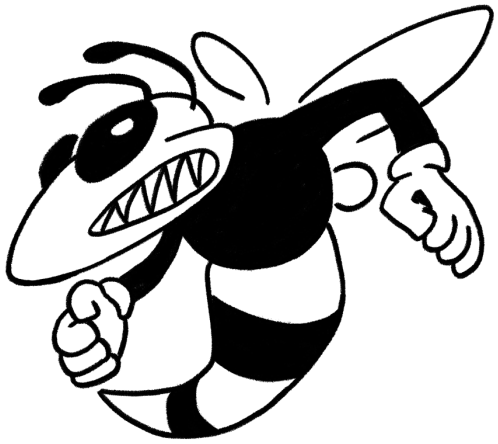
This works because:

- Any number multiplied or divided by 1 is equal to itself.
- A fraction that has the same number in the numerator and denominator is equal to 1.

Examples:

$$\frac{1}{4}=\frac{1}{4}\times 1=\frac{1}{4}\times\frac{4}{4}=\frac{4}{16}$$

$$\frac{8}{10}=\frac{8}{10}\div 1=\frac{8}{10}\div\frac{2}{2}=\frac{4}{5}$$



TRY IT!

$\frac{4}{16}=\frac{\quad}{4}$ $\quad\frac{1}{5}=\frac{\quad}{25}$ $\quad\frac{10}{16}=\frac{\quad}{8}$ $\quad\frac{2}{9}=\frac{\quad}{54}$

$\frac{1}{7}=\frac{\quad}{21}$ $\quad\frac{4}{18}=\frac{\quad}{9}$ $\quad\frac{1}{10}=\frac{\quad}{30}$ $\quad\frac{15}{39}=\frac{\quad}{13}$

$\frac{1}{3}=\frac{\quad}{24}$ $\quad\frac{9}{36}=\frac{\quad}{4}$ $\quad\frac{6}{42}=\frac{\quad}{7}$ $\quad\frac{14}{68}=\frac{\quad}{34}$