

# FRACTIONS

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Name: \_\_\_\_\_

## Convert:

Proper to Improper

then  $5 \frac{2}{3} \Rightarrow \frac{17}{3}$

\* start here

Improper to Proper

$\frac{19}{3} \Rightarrow 6 \frac{1}{3}$

how many 3's go into 19?  $3 \times 6 = 18$  remove from 19

## Adding (or subtract)

- \* Make improper!
- \* Find a COMMON DENOMINATOR by finding a number they go into! ex: 3 and 8 go in 24
- \* Add (or subtract) the Numerators ONLY!
- \* Reduce and Convert to Proper (if needed)

Can NOT cross cancel  
in adding or subtracting.

# MULTIPLY

- \* Make improper
- \* cross cancel if you can!
- \* Multiply numerators.
- \* Multiply denominators.
- \* Reduce and convert (if needed)

÷ by a  
common  
factor  
across!

$$\frac{1}{9} \times \frac{14}{153} = \frac{14}{27}$$

# DIVIDE

- \* Make improper
- \* Flip 2<sup>nd</sup> fraction only
- \* Change  $\div$  into  $\times$  and follow the steps for multiply above.

$$\frac{4}{5} \div \frac{3}{2} \leftarrow \text{FLIP} \quad \frac{4}{5} \times \frac{2}{3} =$$

★ Whole numbers convert into fractions by putting them OVER a one.  $8 = \frac{8}{1}$

NO common denominators when you multiply or divide Fractions.