



Step 1 - multiply denominator by whole number.

$$\underline{3} \cdot 2 = 6$$

2 - Add numerator to answer.

$$6 + \underline{2} = 8$$

3 - Place answer over denominator.

(always stays the same)

$$\boxed{\frac{8}{3}}$$

BUCKS PROBLEM SOLVING STRATEGIES

- B** Box the question
- U** Underline the facts
- C** Circle the vocabulary
- K** Knock out the wrong answers
- S** State the strategy

Ex. 2

Divide.

$$-3\frac{5}{6}$$

$$\left(-3\frac{5}{6}\right) \div (2)$$

$$(6)(3) = 18$$
$$18 + 5 = 23$$

$$\left(-\frac{23}{6}\right) \div \left(\frac{2}{1}\right)$$

$$\frac{-23}{6} \cdot \frac{1}{2}$$

-23
12

$$\begin{array}{r} 135 \\ 8 \overline{) 1080} \\ \underline{8} \phantom{00} \\ 28 \phantom{0} \\ \underline{24} \phantom{0} \\ 40 \\ \underline{40} \\ 0 \end{array}$$

Step 1 →

Change MN to IF

Step 2 → Keep → change → flip

Keep the 1st fraction

Change the sign to multiply

Flip the last fraction.

Step 3 → Cross Cancel if possible.

Step 4 → multiply numer.

Step 5 → multiply denom.

Step 6 → Simplify.

whole number

Step 1 - change Mix. Num. to Improper Fractions.

Step 2 - Multiply numerators.

Step 3 - multiply Denominators

Step 4 - Simplify if you can.

Mult.

EX 1

$$\left(5\frac{5}{7}\right) \left(-3\frac{3}{8}\right)$$

$$7 \cdot 5 = 35$$

$$35 + 5 = 40$$

you can also "cross cancel"

$$\left(\frac{40}{7}\right) \cdot \left(\frac{-27}{8}\right)$$

$$\begin{array}{r} 27 \\ \times 40 \\ \hline 00 \\ 1080 \end{array}$$

$$\frac{40 \cdot (-27)}{7 \cdot 8} = \frac{-1080 \div 8}{56 \div 8} = \frac{-135}{7}$$

Can you simplify?

$$\left(\frac{5}{7}\right) \left(\frac{-27}{8}\right)$$

$$\left(\frac{5}{7}\right) \cdot \left(\frac{-27}{1}\right) = \frac{-135}{7}$$

# Add / Subtract

$$-3\frac{4}{5} + \frac{1}{2}$$

$$(5) \cdot (3) = 15$$

$$15 + 4 = 19$$

$$-\frac{19 \cdot 2}{5 \cdot 2} + \frac{1 \cdot 5}{2 \cdot 5}$$

$$-\frac{38}{10} + \frac{5}{10}$$

$$-38 + 5 = \boxed{\frac{-33}{10}}$$

Step 1 → Change all

Mixed Numbers into  
Improper Fractions.

(\* Don't worry about  
positive or negatives  
until end.)

Step 2 → Find Common  
Denominator

Step 3 → Add / Subtract  
Numerators

(\* Denominators stay  
the same.)

(\* add  
sign you  
started with)

you  
al  
"cros  
ca

$$\frac{5}{7}$$

$$\frac{5}{7}$$