

* Steps *

(Examples on next page)

Add / Subtract

- ① Change mixed Numbers to Improper Fractions
- ② Find common Denominator
- ③ Add / Subtract Numerators
- ④ Denominators stay the same.

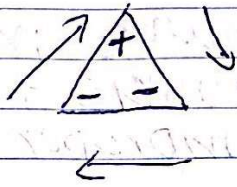
Multiply

- ① Change mixed Numbers to Improper Fractions
- ② Try to cross cancel if you can.
- ③ Multiply Numerators
- ④ Multiply Denominators
- ⑤ Simplify if needed.

Divide

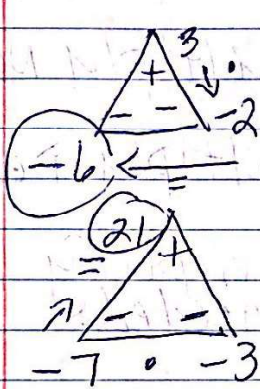
- ① Change mixed Numbers to Improper Fractions
- ② Keep → Change → Flip
↓ ↓ ↓
1st fraction sign to multiply the last fraction
- ③ Cross cancel if you can.
- ④ multiply Numerators.
- ⑤ multiply Denominators.
- ⑥ Simplify if needed.

Tricks



* positive times negative equals a negative #

* negative times negative equals positive #



EX) $(3)(-2) = \boxed{-6}$
pos. \cdot neg. = negative

EX) $(-7)(-3) = \boxed{21}$
neg. \cdot neg. = positive

Cross Cancel

$$\frac{4}{3} \cdot \frac{9}{2}$$

$$\frac{2}{3} \cdot \frac{9}{2}$$

$$\frac{2}{1} \cdot \frac{3}{1} = \frac{6}{1} = \boxed{6}$$

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Word Problems

Step 1 → What's the question?

box it!

Step 2 → Underline the facts

Step 3 → Circle the vocabulary words.

Step 4 → X cross out what you do NOT need.

Step 5 → Set up problem.

Step 6 → Solve. 😊

Step 7 → Summarize the problem and include the answer.
(*use details)

* Does the answer make sense?
If not, re-work your problem.

* Key words *

Each ⇒ mean to
Per ⇒ multiply

