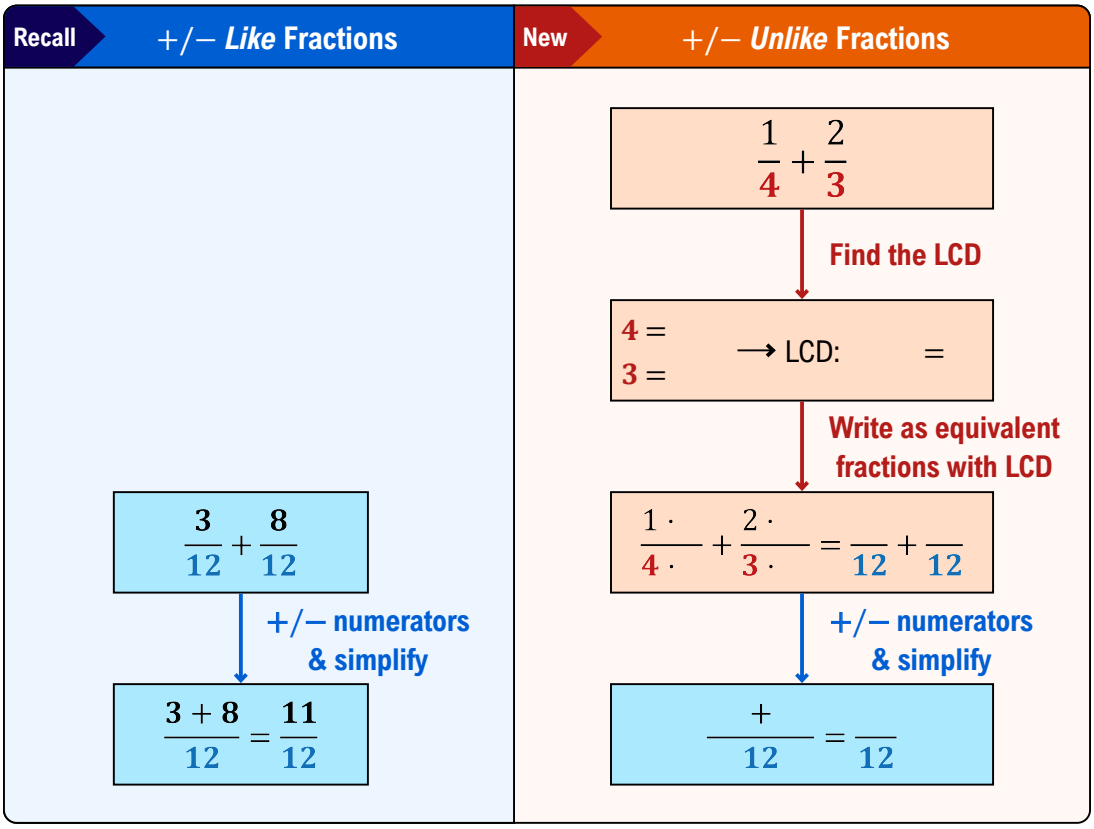
TOPIC: ADDING AND SUBTRACTING UNLIKE FRACTIONS

Adding And Subtracting Unlike Fractions

◆ To add or subtract *unlike* fractions, rewrite as _____ fractions using the least common denominator.



EXAMPLE Add or subtract the fractions and fully simplify your result.

$$\frac{2}{3}-\frac{1}{2}+\frac{5}{6}$$

LCD:

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PRACTICE Add or subtract the fractions below and simplify your result.

(***A***) $\frac{7}{12}+\frac{1}{8}$

(***B***) $\frac{5}{9}-\frac{1}{6}$

(***C***) $\frac{5}{8}-\frac{1}{6}+\frac{1}{4}$

(***D***) $\frac{5y}{12}-\frac{y}{8}$

(***E***) $\frac{x}{4}+\frac{x}{10}-\frac{x}{5}$

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EXAMPLE Complete the following operations below and simplify your result.

(A) $\frac{3}{8x}+\frac{1}{6x}$

(B) $\frac{7a}{9b}-\frac{2a}{6b}$

(C) $\frac{3}{4x}+\frac{1}{2}-\frac{1}{2x}$

EXAMPLE Given $x=\frac{5}{6}$ and $y=\frac{3}{8}$, evaluate the following:

(A) $x+y$

(B) $x-y$

(C) $x+2y$

TOPIC: ADDING AND SUBTRACTING UNLIKE FRACTIONS

EXAMPLE A board is $\frac{5}{6}$ foot long. A second board is $\frac{2}{5}$ foot long. How much longer is the first board?

