

September 22, 2017

$a \cdot b = 1$

Distributive Tool

$a(b+c) = ab+ac$

Sep 22-8:55 AM

Fraction Operations

$\times \frac{a}{b} \rightarrow \frac{c}{d} = \frac{ac}{bd}$

$\div \frac{a}{b} \div \frac{c}{d} = \frac{a}{b} \cdot \frac{d}{c} = \frac{ad}{bc}$

Sep 22-9:08 AM

Addition w/ Like Denominators

$\frac{a}{b} \pm \frac{c}{b} = \frac{a \pm c}{b}$

Common Denominator

Sep 22-9:10 AM

Addition w/ Unlike Denominators

$\frac{a}{b} \pm \frac{c}{d} = \frac{ad \pm bc}{bd}$

①  $\frac{a}{b} \cdot \frac{d}{d} = \frac{ad}{bd}$

②  $\frac{c}{d} \cdot \frac{b}{b} = \frac{bc}{bd}$

Sep 22-9:12 AM

$a = 5$     $c = 1$     $b = 7$     $d = 2$

$\frac{5}{7} + \frac{1}{2} = \frac{5 \cdot 2 + 1 \cdot 7}{7 \cdot 2 = 14}$

①  $\frac{5}{7} \cdot \frac{2}{2} = \frac{10}{7 \cdot 2 = 14}$

②  $\frac{1}{2} \cdot \frac{7}{7} = \frac{7}{7 \cdot 2 = 14}$

$\frac{10 + 7}{14} = \frac{17}{14}$

Sep 22-9:24 AM