

January 27, 2015

1. 2  
# 53)

$$\left[ \$859 + \$638 \right] - \$92 - \$337 -$$

bal      d      \$268  
ck      ck

① 
$$\begin{array}{r} 859 \\ 638 \\ \hline 1497 \end{array}$$

② 
$$\begin{array}{r} 192 \\ 337 \\ \hline 697 \end{array}$$

$$\$1497 - \$697$$

③ 
$$\begin{array}{r} 1497 \\ 697 \\ \hline 800 \end{array} \rightarrow \text{New Balance}$$

Jan 27-9:02 AM

### Commutative Tool

State  $a + b = b + a$

e.g.  $5 + 3 = 3 + 5$   
 $8 = 8 \checkmark$

\* Changes order  $\rightarrow$  same Result

Simplify  $(3 + y) - (x + 2) = 8$

$(y + 3) - (2 + x) = 8$  Com.

$y + (3 - 2) + x = 8$  assoc.

$y + 1 + x = 8$  add

Jan 27-9:15 AM

### Associative Tool

State:  $a + (b + c) = (a + b) + c$

\* order stays the same  $\rightarrow$  but association changes  $\rightarrow$  same result

$4 + (2 + 1) = (4 + 2) + 1$

$4 + 3 = 6 + 1$

$7 = 7 \checkmark$

Jan 27-9:29 AM

### additive Identity

$a + 0 = a$

### additive Inverse

$a + (-a) = 0$

$x - 5 = 15$

$\frac{x}{0} \quad \frac{-5}{+5} = \frac{15}{+5}$

$x \quad 0 = 20$

$x = 20$

Jan 27-9:32 AM

### Multiplicative Identity

$\frac{a}{1} \cdot 1 = \frac{a}{1} = a$

$34 \cdot 1 = 34$

### Multiplicative Inverse

$\frac{a}{1} \cdot \frac{1}{a} = \frac{a}{a} = 1$

$\frac{2x}{2} = \frac{4}{2}$

$\left[ \frac{1}{2} \cdot \frac{2}{1} \right] \frac{x}{1} = \frac{4}{1}$

$\frac{2}{2} \cdot \frac{x}{1} = \frac{4}{1} \cdot \frac{1}{2} = \frac{4}{2} = 2$

mult  $\rightarrow 1 \cdot x = 2$

$x = 2$

Jan 27-9:39 AM

$2 \cdot b$

$3 \cdot 5$

$1 \cdot ? = ?$

Jan 27-9:52 AM