

1.8

$$\begin{array}{l} (57 + 98) + 2 \\ 57 + (98 + 2) \end{array}$$

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$$(63 + 99) + 1$$

$$63 + (99 + 1)$$

Associative  
Property  
of Addition

Change the grouping

$$\begin{array}{l} (88 \cdot 5) \cdot 2 \\ (88) \cdot (5 \cdot 2) \\ 880 \end{array}$$

Associative  
Property of  
Multiplication

Re group

Commutative Property

$8 + 2$  of Addition

$$2 + 8$$

$$5 \cdot 3$$

Multiplication

$$3 \cdot 5$$

$$5 - 4 = 1$$

$$4 - 5 = -1$$

$$\frac{2}{8} = \frac{1}{4}$$

$$\frac{8}{2} = 4$$

# Distributive Property

$$8(3+4) + 2$$

$$8(3) + 8(4) + 2$$

$$24 + 32 + 2$$

$$56 + 2$$

$$58$$

$$8(3+4) + 2$$

$$8(7) + 2$$

$$56 + 2$$

$$58$$

$$(24 + 27) + 56$$

$$(27 + 24) + 56$$

Commutative  
Property of  
Addition

$$27 + (24 + 56)$$

$$27 + 80$$

$$107$$

Associative  
Property of  
Addition

$$25 (27 \cdot 4)$$

$$25 (4 \cdot 27)$$

$$(25 \cdot 4) 27$$

$$(100) (27)$$

$$2,700$$

Comm. Prop of Mult

Assoc. Prop of Mult

$$25(2 + 4)$$

$$25(2) + 25(4)$$

$$50 + 100$$

$$150$$

Distributive  
Prop



$p \text{ let}$

$8 - 22E$

$$8(x+3)$$

$$8x + 24$$