

# Propiedades de la suma

## Conmutativa

El orden de los sumandos no altera el resultado final de la suma

$$21 + 13 = 13 + 21$$

$$\begin{array}{c} \vee \\ 34 \end{array}$$

$$\begin{array}{c} \vee \\ 34 \end{array}$$

?



## Asociativa

Si asociamos los sumandos de distinta manera, el resultado de la suma no varía

$$(12 + 3) + 6 = 12 + (3 + 6)$$

$$\begin{array}{c} \vee \\ 15 + 6 \\ \vee \\ 21 \end{array}$$

$$15 + 6$$

$$21$$

$$\begin{array}{c} \vee \\ 12 + 9 \\ \vee \\ 21 \end{array}$$

$$12 + 9$$

$$21$$

1. Aplique las propiedades de la adición:

### Conmutativa

$$435 + 89 =$$

$$\begin{array}{c} \vee \\ \square \end{array}$$

$$\square + \square$$

$$\begin{array}{c} \vee \\ \square \end{array}$$

$$902 + 35 =$$

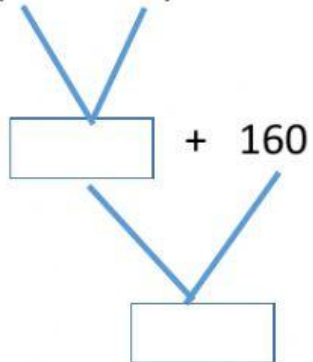
$$\begin{array}{c} \vee \\ \square \end{array}$$

$$\square + \square$$

$$\begin{array}{c} \vee \\ \square \end{array}$$

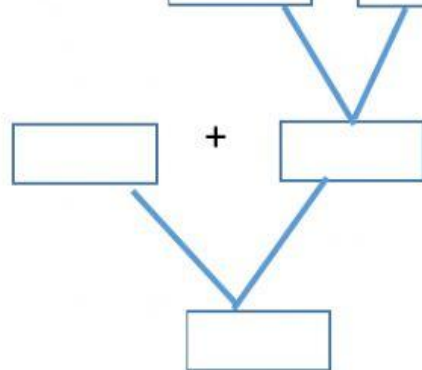
### Asociativa

$$(34 + 28) + 160$$

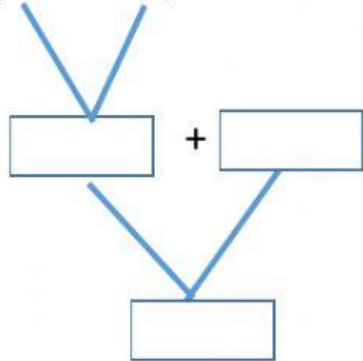


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$$34 + (\text{ } + \text{ })$$

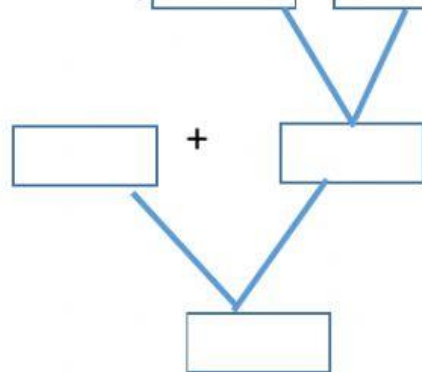


$$(42 + 19) + 38$$



=

$$42 + (\text{ } + \text{ })$$



### Modulativa

$$543 + 0 = \text{ }$$

$$11 + 0 = \text{ }$$