

Propiedades de la suma

-Propiedad conmutativa: el orden de los sumandos no altera el resultado.

$$2+5=5+2$$

-Propiedad asociativa: para sumar 3 números, primero sumo 2 de ellos y el resultado lo sumo al tercero.

$$\begin{array}{ccccccc} 4 & + & 8 & + & 6 & = & 4 & + & 8 & + & 6 \\ \swarrow & & \downarrow & & \downarrow & & \swarrow & & \downarrow & & \downarrow \\ 12 & + & 6 & = & 4 & + & 14 \\ \swarrow & & \downarrow & & \downarrow & & \swarrow & & \downarrow \\ 18 & = & 18 \end{array}$$

1. Aplica la propiedad conmutativa de la suma:

$$\begin{array}{c} 13 + 6 = \square + \square \\ \swarrow \quad \searrow \quad \quad \swarrow \quad \searrow \\ \square \quad \quad \square \end{array}$$

$$\begin{array}{c} 7 + 5 = \square + \square \\ \swarrow \quad \searrow \quad \quad \swarrow \quad \searrow \\ \square \quad \quad \square \end{array}$$

$$\begin{array}{c} 12 + 9 = \square + \square \\ \swarrow \quad \searrow \quad \quad \swarrow \quad \searrow \\ \square \quad \quad \square \end{array}$$

$$\begin{array}{c} 10 + 7 = \square + \square \\ \swarrow \quad \searrow \quad \quad \swarrow \quad \searrow \\ \square \quad \quad \square \end{array}$$

2. Aplica la propiedad asociativa de la suma:

$$\begin{array}{c} (5 + 3) + 1 = 5 + (3 + 1) \\ \swarrow \quad \searrow \quad \quad \downarrow \quad \quad \swarrow \quad \searrow \\ \square \quad \square \quad \square \quad \square \\ \swarrow \quad \searrow \quad \quad \swarrow \quad \searrow \\ \square \quad \quad \square \end{array}$$

$$\begin{array}{c} 6 + (4 + 8) = (6 + 4) + 8 \\ \downarrow \quad \swarrow \quad \searrow \quad \quad \swarrow \quad \searrow \quad \downarrow \\ \square \quad \square \quad \square \quad \square \quad \square \\ \swarrow \quad \searrow \quad \quad \swarrow \quad \searrow \\ \square \quad \quad \square \end{array}$$

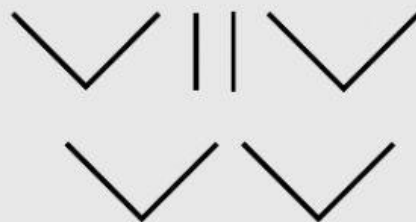
$$(3 + 2) + 4 = 3 + (2 + 4)$$



$$8 + (2 + 6) = (8 + 2) + 6$$



$$(5 + 5) + 8 = 5 + (5 + 8)$$



$$10 + (5 + 3) = (10 + 5) + 3$$

