

# PROPIEDADES DE LA SUMA

## Aplica la propiedad conmutativa

$$16 + 12 = \underline{\quad} + \underline{\quad}$$

Diagram showing the commutative property: arrows point from the numbers 16 and 12 to their respective positions in the second equation.

$$22 + 14 = \underline{\quad} + \underline{\quad}$$

Diagram showing the commutative property: arrows point from the numbers 22 and 14 to their respective positions in the second equation.

$$31 + 25 = \underline{\quad} + \underline{\quad}$$

Diagram showing the commutative property: arrows point from the numbers 31 and 25 to their respective positions in the second equation.

$$43 + 22 = \underline{\quad} + \underline{\quad}$$

Diagram showing the commutative property: arrows point from the numbers 43 and 22 to their respective positions in the second equation.

## Aplica la propiedad asociativa

$$16 + (6 + 5) = (\underline{\quad} + \underline{\quad}) + \underline{\quad}$$

Diagram showing the associative property: arrows point from 16 to the first position in the second equation, and from the 6 and 5 in the parentheses to the positions inside the parentheses in the second equation.

$$20 + (16 + 3) = (\underline{\quad} + \underline{\quad}) + \underline{\quad}$$

Diagram showing the associative property: arrows point from 20 to the first position in the second equation, and from the 16 and 3 in the parentheses to the positions inside the parentheses in the second equation.

$$(30 + 12) + 14 = \underline{\quad} + (\underline{\quad} + \underline{\quad})$$

Diagram showing the associative property: arrows point from 30 and 12 to the positions inside the parentheses in the second equation, and from 14 to the position after the plus sign in the second equation.

$$(45 + 5) + 10 = \underline{\quad} + (\underline{\quad} + \underline{\quad})$$

Diagram showing the associative property: arrows point from 45 and 5 to the positions inside the parentheses in the second equation, and from 10 to the position after the plus sign in the second equation.

### Propiedad conmutativa:

Cuando se suman dos números, el orden de los sumandos no afecta al resultado de la suma.

### Propiedad asociativa:

Cuando se suman tres o más números, el modo de agrupar los sumandos no varía el resultado de la suma.