

1. Comprueba que se cumple la propiedad conmutativa.

$$48 + 52 = 52 + 48$$

$$63 + 21 = 21 + 63$$

$$156 + 22 = 22 + \square$$

$$268 + 36 = \square + \square$$

$$332 + 121 = \square + \square$$

$$465 + 234 = \square + \square$$

1 Aplica la propiedad conmutativa y comprueba que obtienes el mismo resultado.

$$\bullet \begin{array}{c} 13 + 5 = \underline{\quad} + \underline{\quad} \\ \swarrow \quad \searrow \\ \underline{\quad} = \underline{\quad} \end{array} \quad \bullet \begin{array}{c} 17 + 6 = \underline{\quad} + \underline{\quad} \\ \swarrow \quad \searrow \\ \underline{\quad} = \underline{\quad} \end{array} \quad \bullet \begin{array}{c} 4 + 19 = \underline{\quad} + \underline{\quad} \\ \swarrow \quad \searrow \\ \underline{\quad} = \underline{\quad} \end{array}$$

2 Aplica la propiedad asociativa y comprueba que obtienes el mismo resultado.

$$\bullet (3 + 7) + 6 = 3 + (\underline{\quad} + \underline{\quad})$$

$$\bullet (6 + 8) + 5 = \underline{\quad} + (\underline{\quad} + \underline{\quad})$$

$$\bullet (4 + 8) + 9 = 4 + (\underline{\quad} + \underline{\quad})$$

$$\bullet (7 + 9) + 2 = \underline{\quad} + (\underline{\quad} + \underline{\quad})$$

Aplica la propiedad Asociativa de la suma y resuelve.

$$(220 + 150) + 101 = 220 + (150 + 101)$$

Diagram illustrating the associative property of addition. Red arrows point from the numbers 220 and 150 in the first equation to the first two boxes in the second equation. Similarly, red arrows point from 150 and 101 in the first equation to the last two boxes in the second equation. The second equation consists of two rows of boxes: the first row has four boxes with plus signs between them, and the second row has two boxes with an equals sign between them.

$$\boxed{} + \boxed{} = \boxed{} + \boxed{}$$
$$\boxed{} = \boxed{}$$

$$(135 + 105) + 430 = 135 + (105 + 430)$$

Diagram illustrating the associative property of addition. Red arrows point from the numbers 135 and 105 in the first equation to the first two boxes in the second equation. Similarly, red arrows point from 105 and 430 in the first equation to the last two boxes in the second equation. The second equation consists of two rows of boxes: the first row has four boxes with plus signs between them, and the second row has two boxes with an equals sign between them.

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$$\boxed{} = \boxed{}$$

$$(300 + 325) + 100 = 300 + (325 + 100)$$

Diagram illustrating the associative property of addition. Red arrows point from the numbers 300 and 325 in the first equation to the first two boxes in the second equation. Similarly, red arrows point from 325 and 100 in the first equation to the last two boxes in the second equation. The second equation consists of two rows of boxes: the first row has four boxes with plus signs between them, and the second row has two boxes with an equals sign between them.

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