

Nombre y apellidos:..... Fecha:.....

TEMA 3

Propiedades conmutativa y asociativa de la multiplicación

1 Relaciona.

$$19 \times 4 = 4 \times 19 \bullet$$

- Propiedad asociativa

$$(12 \times 2) \times 5 = 12 \times (2 \times 5) \bullet$$

- Propiedad conmutativa

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

$$9 \times 4 = \boxed{\quad} \times \boxed{\quad}$$
$$\begin{array}{c} \swarrow \quad \searrow \\ \boxed{\quad} = \boxed{\quad} \end{array}$$

$$9 \times 8 = \boxed{\quad} \times \boxed{\quad}$$
$$\begin{array}{c} \swarrow \quad \searrow \\ \boxed{\quad} = \boxed{\quad} \end{array}$$

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

$$(2 \times 4) \times 5 = 2 \times (\boxed{\quad} \times \boxed{\quad})$$
$$\begin{array}{c} \swarrow \quad \searrow \\ \boxed{\quad} \times \boxed{\quad} = \boxed{\quad} \times \boxed{\quad} \\ \begin{array}{c} \swarrow \quad \searrow \\ \boxed{\quad} = \boxed{\quad} \end{array} \end{array}$$

$$(3 \times 2) \times 9 = \boxed{\quad} \times (\boxed{\quad} \times \boxed{\quad})$$
$$\begin{array}{c} \swarrow \quad \searrow \\ \boxed{\quad} \times \boxed{\quad} = \boxed{\quad} \times \boxed{\quad} \\ \begin{array}{c} \swarrow \quad \searrow \\ \boxed{\quad} = \boxed{\quad} \end{array} \end{array}$$

$$2 \times (5 \times 6) = (\boxed{\quad} \times \boxed{\quad}) \times \boxed{\quad}$$
$$\begin{array}{c} \swarrow \quad \searrow \\ \boxed{\quad} \times \boxed{\quad} = \boxed{\quad} \times \boxed{\quad} \\ \begin{array}{c} \swarrow \quad \searrow \\ \boxed{\quad} = \boxed{\quad} \end{array} \end{array}$$

$$8 \times (5 \times 3) = (\boxed{\quad} \times \boxed{\quad}) \times \boxed{\quad}$$
$$\begin{array}{c} \swarrow \quad \searrow \\ \boxed{\quad} \times \boxed{\quad} = \boxed{\quad} \times \boxed{\quad} \\ \begin{array}{c} \swarrow \quad \searrow \\ \boxed{\quad} = \boxed{\quad} \end{array} \end{array}$$