

PROPIEDADES DE LA MULTIPLICACIÓN



1. Aplica la propiedad conmutativa de la multiplicación y calcula.

$3 \times 5 = 15$

$5 \times 3 = 15$

$6 \times 4 = \square = \square \times \square = \square$

$8 \times 9 = \square = \square \times \square = \square$

$10 \times 7 = \square = \square \times \square = \square$

$12 \times 5 = \square = \square \times \square = \square$

$11 \times 8 = \square = \square \times \square = \square$

$15 \times 8 = \square = \square \times \square = \square$

$13 \times 2 = \square = \square \times \square = \square$

$9 \times 14 = \square = \square \times \square = \square$

$4 \times 15 = \square = \square \times \square = \square$

$21 \times 6 = \square = \square \times \square = \square$

$19 \times 7 = \square = \square \times \square = \square$

2. Aplica la propiedad asociativa de la multiplicación y calcula.

$$2 \times (4 \times 6) = (2 \times 4) \times 6 = 48$$

$$3 \times (8 \times 5) = (\square \times \square) \times \square = \square$$

$$4 \times (10 \times 7) = (\square \times \square) \times \square = \square$$

$$7 \times (15 \times 3) = (\square \times \square) \times \square = \square$$

$$8 \times (9 \times 14) = (\square \times \square) \times \square = \square$$

$$16 \times (7 \times 6) = (\square \times \square) \times \square = \square$$

$$14 \times (16 \times 5) = (\square \times \square) \times \square = \square$$

3. Aplica la propiedad distributiva de la multiplicación y resuelve.

$$8 \times (4 + 3) = 8 \times 4 + 8 \times 3$$
$$\begin{array}{ccc} 8 & \times & 7 \\ \swarrow & & \searrow \\ 56 & & \end{array} \quad = \quad \begin{array}{ccc} 32 & + & 24 \\ \swarrow & & \searrow \\ 56 & & \end{array}$$

$$7 \times (5 + 9) = \square \times \square + \square \times \square$$
$$\begin{array}{ccc} \square & \times & \square \\ \swarrow & & \searrow \\ \square & & \end{array} \quad = \quad \begin{array}{ccc} \square & + & \square \\ \swarrow & & \searrow \\ \square & & \end{array}$$

$$6 \times (3 + 8) = \square \times \square + \square \times \square$$
$$\begin{array}{ccc} \square & \times & \square \\ \swarrow & & \searrow \\ \square & & \end{array} \quad = \quad \begin{array}{ccc} \square & + & \square \\ \swarrow & & \searrow \\ \square & & \end{array}$$

$$2 \times (10 + 7) = \square \times \square + \square \times \square$$
$$\begin{array}{ccc} \square & \times & \square \\ \swarrow & & \searrow \\ \square & & \end{array} \quad = \quad \begin{array}{ccc} \square & + & \square \\ \swarrow & & \searrow \\ \square & & \end{array}$$

$$9 \times (4 + 9) = \square \times \square + \square \times \square$$
$$\begin{array}{ccc} \square & \times & \square \\ \swarrow & & \searrow \\ \square & & \end{array} \quad = \quad \begin{array}{ccc} \square & + & \square \\ \swarrow & & \searrow \\ \square & & \end{array}$$

$$5 \times (9 + 6) = \square \times \square + \square \times \square$$
$$\begin{array}{ccc} \square & \times & \square \\ \swarrow & & \searrow \\ \square & & \end{array} \quad = \quad \begin{array}{ccc} \square & + & \square \\ \swarrow & & \searrow \\ \square & & \end{array}$$