

Concept HW_Grade-3_Multiplication and Division

Properties of Multiplication

Use Commutative Property

Find the first fact and use it to find the next fact.

$2 \times 7 = \square$

$7 \times 2 = \square$

$5 \times 7 = \square$

$7 \times 5 = \square$

$3 \times 9 = \square$

$9 \times 3 = \square$

$4 \times 7 = \square$

$7 \times 4 = \square$

$5 \times 9 = \square$

$9 \times 5 = \square$

$4 \times 9 = \square$

$9 \times 4 = \square$

A) Fill in the missing numbers using the associative property of addition.

1) $(2 + 8) + 10 = 2 + (\underline{\quad} + 10)$ 2) $3 + (1 + 2) = (\underline{\quad} + 1) + 2$

3) $(1 + 3) + 9 = 1 + (3 + \underline{\quad})$ 4) $(10 + 5) + 1 = \underline{\quad} + (5 + 1)$

5) $2 + (4 + 5) = (2 + \underline{\quad}) + 5$ 6) $7 + (6 + 1) = (7 + 6) + \underline{\quad}$

Fill in the blank using distributive property.

$$\begin{aligned} 2 \times 8 &= \boxed{\quad} \times \boxed{5} + \boxed{\quad} \times \boxed{3} \\ &= \boxed{\quad} + \boxed{\quad} \\ &= \boxed{\quad} \end{aligned}$$

$$\begin{aligned} 3 \times 6 &= \boxed{\quad} \times \boxed{3} + \boxed{\quad} \times \boxed{3} \\ &= \boxed{\quad} + \boxed{\quad} \\ &= \boxed{\quad} \end{aligned}$$

$$\begin{aligned} 5 \times 9 &= \boxed{\quad} + \boxed{\quad} \\ &= \boxed{\quad} + \boxed{\quad} \\ &= \boxed{\quad} \end{aligned}$$

$$\begin{aligned} 4 \times 7 &= \boxed{\quad} + \boxed{\quad} \\ &= \boxed{\quad} + \boxed{\quad} \\ &= \boxed{\quad} \end{aligned}$$

$$\begin{aligned} 7 \times 6 &= \boxed{\quad} + \boxed{\quad} \\ &= \boxed{\quad} + \boxed{\quad} \\ &= \boxed{\quad} \end{aligned}$$

$$\begin{aligned} 8 \times 5 &= \boxed{\quad} + \boxed{\quad} \\ &= \boxed{\quad} + \boxed{\quad} \\ &= \boxed{\quad} \end{aligned}$$