Commutative Property

The **commutative property** of multiplication means that when you multiply two numbers, it doesn't matter which one comes first; the product is the same.

For example: $2 \times 6 = 6 \times 2$ $2 \times 6 = 12$ and $6 \times 2 = 12$

Complete each number sentence.

1 $3 \times 2 = 2 \times$ _____ $4 \times 5 =$ _____ $\times 4$ $2 \times 7 = 7 \times$ _____

2 $8 \times 1 = 1 \times$ _____ $0 \times 3 =$ _____ $\times 0$ $3 \times 4 = 4 \times$ _____

Fill in the blanks to complete each number sentence. The first one has been done for you.

3 $\underline{5} \times 2 = 2 \times 5$ **4** _____ $\times 3 = 3 \times 8$ **5** $1 \times$ _____ $= 9 \times 1$

  $5 \times 2 = \underline{10}$ $8 \times 3 =$ _____ $1 \times 9 =$ _____

  $2 \times \underline{5} = \underline{10}$ $3 \times$ _____ $=$ _____ $9 \times$ _____ $=$ _____

6 $9 \times 2 = 2 \times$ _____   **7** $4 \times 6 =$ _____ $\times 4$ **8** _____ $\times 3 = 3 \times 7$

  _____ $\times$ _____ $=$ _____   _____ $\times$ _____ $=$ _____   _____ $\times$ _____ $=$ _____

  _____ $\times$ _____ $=$ _____   _____ $\times$ _____ $=$ _____   _____ $\times$ _____ $=$ _____

9 Olivia has 3 shelves in her room. On each shelf there are 8 stuffed animals. How many stuffed animals does Olivia have altogether? Write the problem, and find the answer.

_____

10 What if Olivia had 8 shelves in her room and 3 stuffed animals on each shelf. Would the answer be the same? Why or why not?

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