My Word Cards

Use the examples for each word on the front of the card to help complete the definitions on the back.

**Associative Property of Multiplication**

- \((4 \times 3) \times 2 = 24\)
- \(4 \times (3 \times 2) = 24\)
- \((4 \times 3) \times 2 = 4 \times (3 \times 2)\)

**Numerical Expression**

- \(6 \times 3\)
- \((8 \div 2) + 4 - 1\)
- \(12 + 17 - 4\)

**Distributive Property**

- \(6 \times (10 + 8) = (6 \times 10) + (6 \times 8)\)

**Compensation**

- \(3 \times 48 = n\)
  - Think: \(3 \times 50 = 150\)
  - Adjust: \(150 - 6 = 144\)

**Commutative Property of Multiplication**

- \(4 \times 3 \times 2 = 24\)
- \(4 \times 2 \times 3 = 24\)
- \(3 \times 4 \times 2 = 24\)

**Partial Products**

- \[
  \begin{array}{c}
    16 \\
    \times 2 \\
  \end{array}
  \]
- \[
  \begin{array}{c}
    12 \\
    + 20 \\
    \hline
    32
  \end{array}
  \]

**Array**

- Diagram of an array

**Area Model**

- Diagram of an area model with dimensions: \(8 \text{ ft} \times 25 \text{ ft}\)

- Diagram of an area model with dimensions: \(20 \text{ ft} \times 5 \text{ ft}\)
Complete each definition. Extend learning by writing your own definitions.

A ____________________________ contains numbers and at least one operation.

The ____________________________
______________________________
states that you can change the grouping of the factors and the product stays the same.

Choosing numbers close to the numbers in a problem to make the computation easier, and then adjusting the answer for the numbers chosen is called
______________________________

The ____________________________
states that multiplying a sum (or difference) by a number is the same as multiplying each number in the sum (or difference) by that number and adding (or subtracting) the products.

______________________________ are products found by breaking one factor in a multiplication problem into ones, tens, hundreds, and so on and then multiplying each of these by the other factor.

The ____________________________
______________________________
states that the order of factors can be changed, but the product stays the same.

A ____________________________ is a rectangle used to model multiplication and division of whole numbers.

You can use an ______________________ as a way of displaying objects in rows and columns.