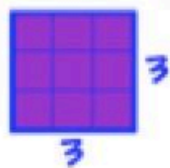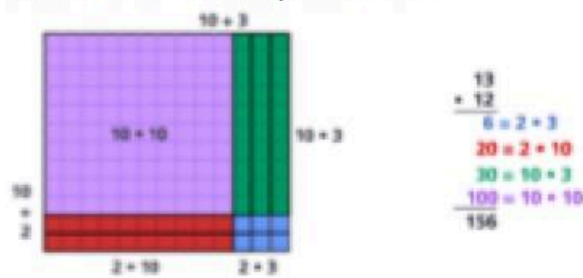# Vocabulary

Algorithm- a step-by-step procedure to solve a particular type of problem.
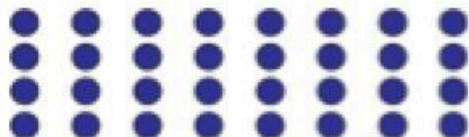
Area- the amount of space inside the boundary of a two-dimensional object.

Area Model - a model for multiplication and division problems that relates arrays to area.

Array - a set of numbers or objects that follow a specific pattern, a matrix.
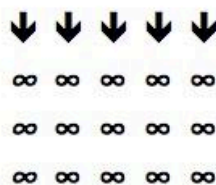

Associative Property - states that you can group factors in different ways and still get the same answer.

$$3 \times (4 \times 8) = (3 \times 4) \times 8$$

Bundling - putting numbers together.

$$300 + 40 = 9 = 349$$

Columns - arrangement going up and down.

Compare - to find the similarity or dissimilarity between.

Composite Number - number with three or more factors.

$$9 = 1, 3, 9$$

Distributive Property - multiplying a number by a group of numbers added together is the same as doing each multiplication separately.

64 x 27 = (60 x 20) + (60 x 7)

Divide - splitting into equal parts or groups.

Dividend - the amount that you want to divide up.

12 ÷ 3 = 4

Divisible - when you divide one number by another the result is a whole number.

14 is divisible by 7, because
14 ÷ 7 = 2 exactly

Divisor - the number you divide by.

12 ÷ 3 = 4

Factors - numbers that can be multiplied together to get other numbers.

2 x 3 = 6
Factor   Factor

Formula - a mathematical rule expressed as an equation with numbers and/or variables.

Grouping - putting numbers together.

300 + 40 = 9 = 349

Long Division - process of dividing a large dividend using several recorded steps.
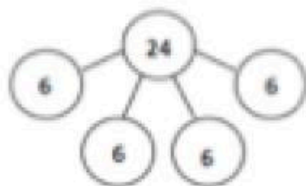
$$\begin{array}{r} 34 \\ 2\overline{)68} \\ -6 \\ \hline 08 \\ -8 \\ \hline 0 \end{array}$$

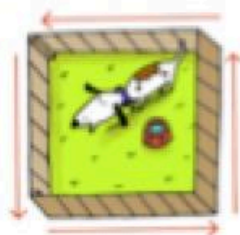**Mixed Units** - two or more different units.

1 ft 3 in

Multiply - product of a given number and any other whole number.

Number Bond - visual tool to break apart a number into parts.

Partial Product - process of multiplying numbers.

Perimeter - the distance around a two-dimensional shape.

Place Value - the numerical value that a digit has by virtue of its position in a number.

Prime Number - number with only 2 factors (1 and itself).

$$3 = 1, 3$$

Product - the answer to a multiplication problem.

$$7 \times 8 = \underline{56}$$

Quotient - the answer to a division problem.

$$44 \div 11 = \underline{4}$$

Rectangular Array - arrangement of a set of objects into rows and columns.

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★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★

Remainder the number left over when one number is divided by another.

← Remainder

Renaming - putting numbers together.

$300 + 40 = 9 = 349$

Rows - arrangement going side to side.

→ ◆ ◆ ◆ ◆ ◆
→ ◆ ◆ ◆ ◆ ◆
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