Algorithm

$$\begin{array}{r} 47 \\ +\ 16 \\ \hline 13 \\ 50 \\ \hline 63 \end{array}$$

Add the ones 7 + 6 = 13

Add the tens 40 + 10 = 50

Add the partial sums

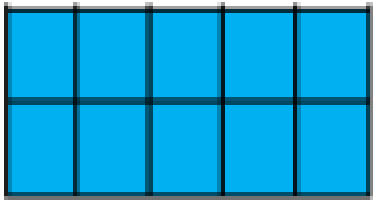
Area

Area

2 rows of 5 = 10 square units

or

$2 \times 5 = 10$ square units

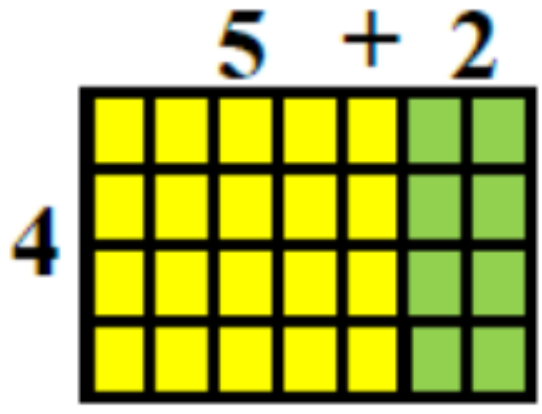


The measure, in square units,

of the inside of a plane figure

Area Model

Area Model



$$4 \times 7 = (4 \times 5) + (4 \times 2) = 28$$

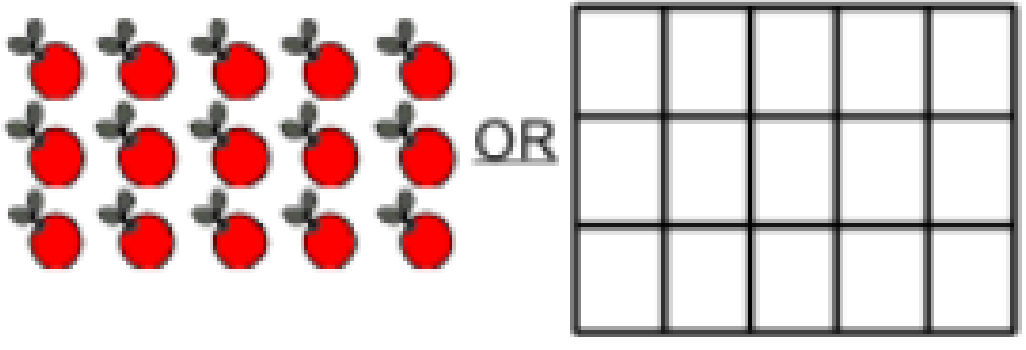
A model of multiplication that shows the product within a rectangle drawing.

Array

Array

3 rows of 5

3×5

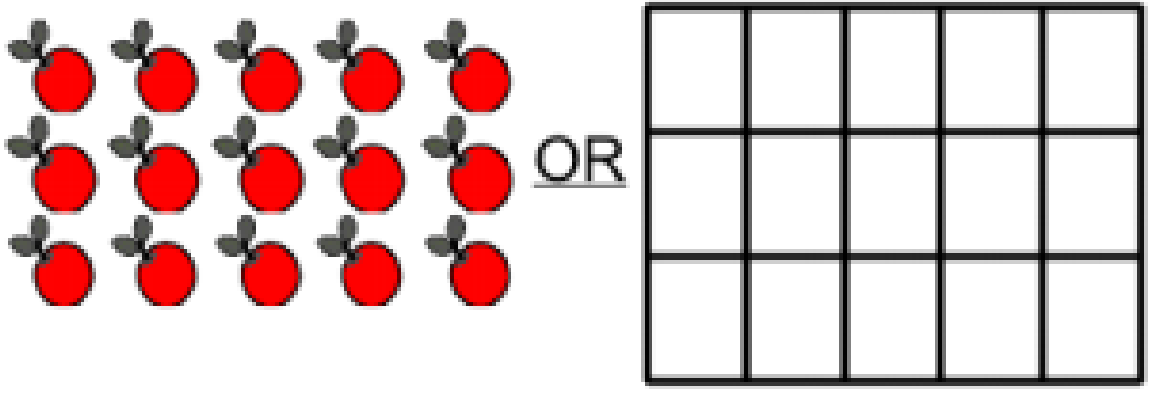


An arrangement of objects in equal rows.

Arrays

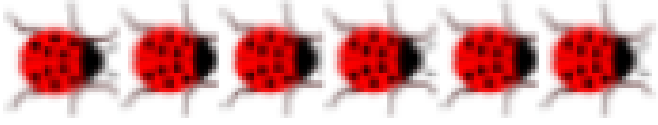
3 rows of 5

3 x 5

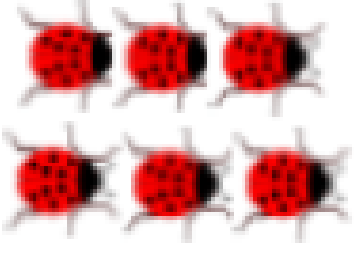


Composite Number

Composite Number



$1 \times 6 = 6$

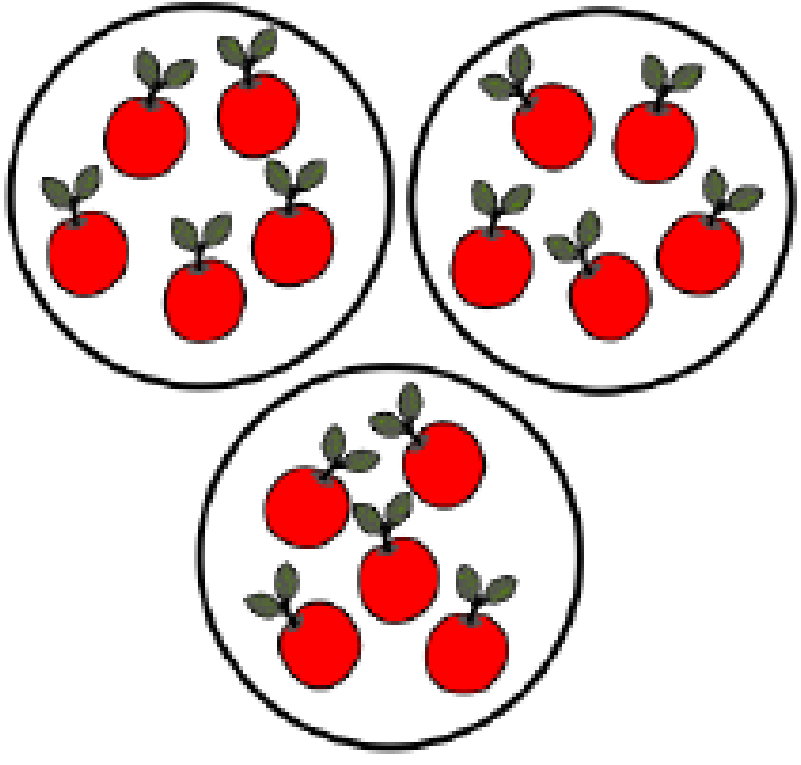


$2 \times 3 = 6$

6 is a composite number.

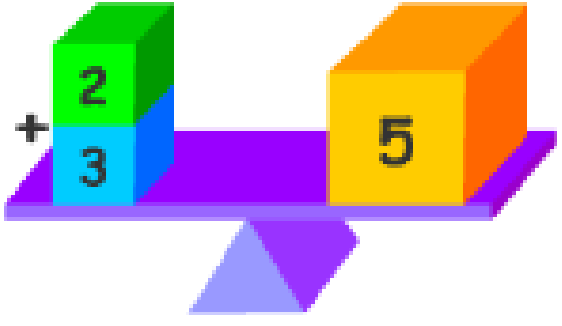
A number greater than 0 that

Division



$$15 \div 3 = 5$$

Equation



$$2 + 3 = 5$$

Estimation

Estimation

How many jelly beans are in the jar?

A number close to an exact amount. An estimate tells

Expanded Form

Expanded Form

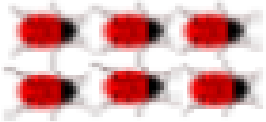
$$263 = 200 + 60 + 3$$

A way to write numbers that shows the place value of each digit.

Factor Pairs

Factor Pairs

$2 \times 3 = 6$



$1 \times 6 = 6$

The factor pairs for 6 are:
2 and 3
1 and 6

A set of two whole numbers that when multiplied will result

Factors

Factor

$$2 \times 6 = 12$$

factors

The whole numbers that are

Formula

Formula

To find the area of any rectangle, multiply its length by its width. This rule can be written as an equation:

$$A = l \times w$$

A general mathematical rule that is written as an equation.

Multiple

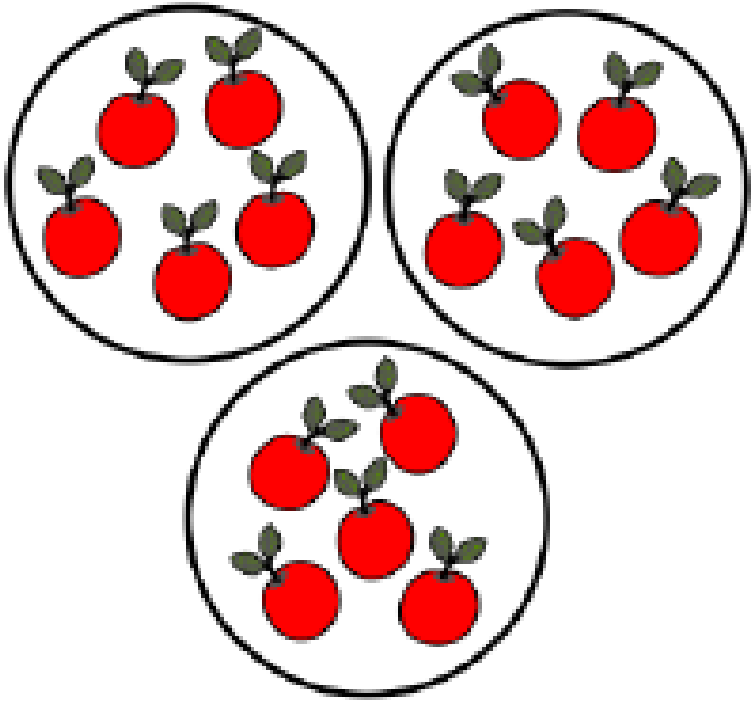
Multiple

Multiples of 3

3, 6, 9, 12, 15, 18, 21 …

The product of a whole number and any other whole number.

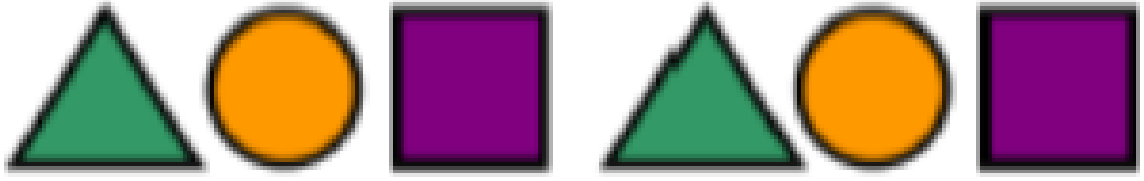
Multiplication



$$3 \times 5 = 5 + 5 + 5$$

Pattern

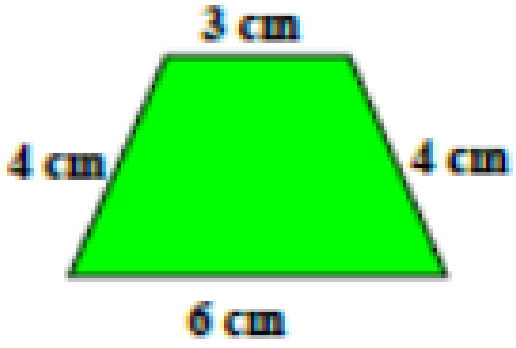
Pattern



A repeating or growing sequence or design. An ordered set of numbers or shapes ar-

Perimeter

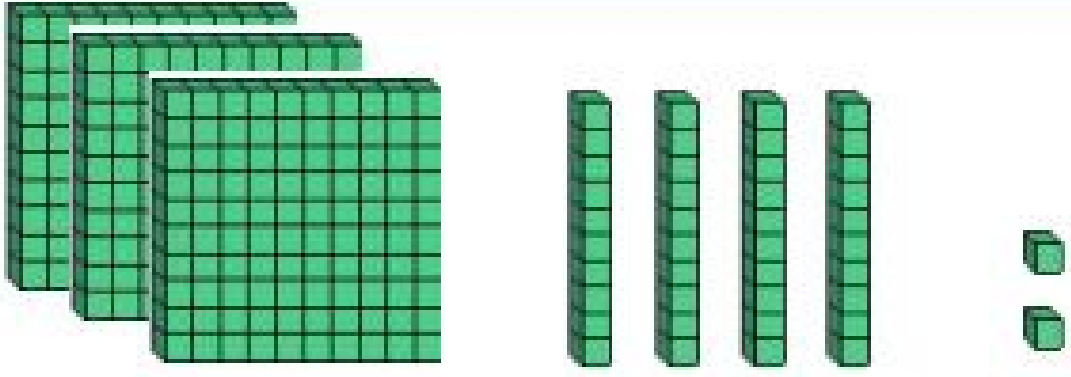
Perimeter



Perimeter = 4 cm + 6 cm + 4 cm + 3 cm
= 17 cm

The distance around a figure.

Place Value

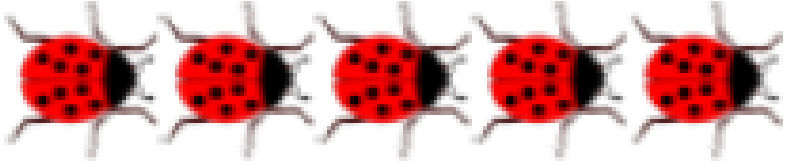


Hundreds	Tens	Ones
3	4	2

300 + 40 + 2

Prime Number

Prime Number



$$1 \times 5 = 5$$

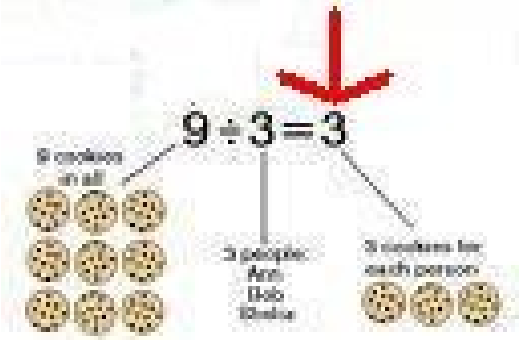
5 is a prime number.

A whole number greater than 0 that has exactly two different

Product

$$5 \times 3 = 15$$

Quotient


9 ÷ 3 = 3

Remainder

Remainder

There are 32 students going on
a field trip. Each chaperone
can supervise 5 students.
How many chaperones are needed?

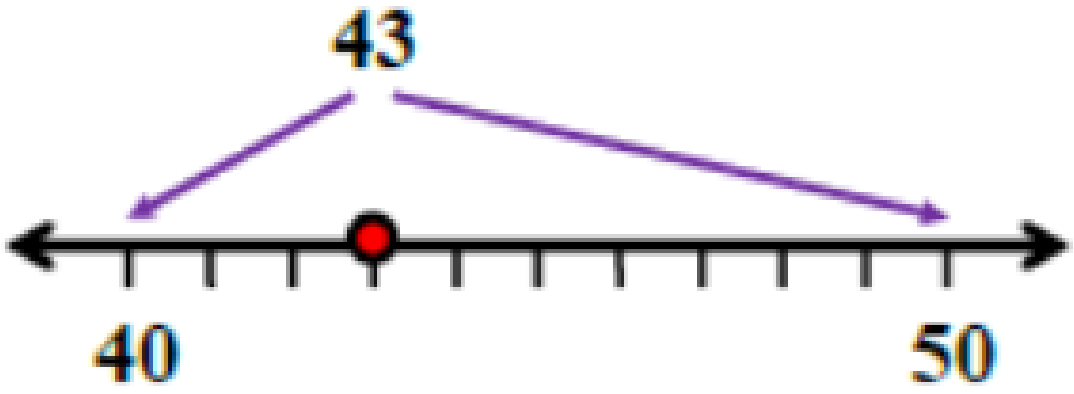
$$32 \div 5 = 6 \text{ r}2$$

7 chaperones are needed.

The amount left over when one

Rounding

Rounding



To find the nearest ten,

hundred, thousand, and so on.

Standard Algorithm

Algorithm

$$\begin{array}{r} 47 \\ +\ 16 \\ \hline 13 \\ +\ 50 \\ \hline 63 \end{array}$$

Add the ones. 7 + 6 = 13

Add the tens. 40 + 10 = 50

Add the partial sums.

A step-by-step method for