Vocabulary Cards and Word Walls

Important Notes for Teachers:

- The vocabulary cards in this file match the Common Core, the math curriculum adopted by the Utah State Board of Education, August 2010.
- The cards are arranged alphabetically.
- Each card has three sections.
    - Section 1 is only the word. This is to be used as a visual aid in spelling and pronunciation. It is also used when students are writing their own "kid-friendly" definition and drawing their own graphic.
    - Section 2 has the word and a graphic. This graphic is available to be used as a model by the teacher.
    - Section 3 has the word, a graphic, and a definition. This is to be used for the Word Wall in the classroom. For more information on using a Word Wall for Daily Review – see "Vocabulary – Word Wall Ideas" on this website.
- These cards are designed to help all students with math content vocabulary, including ELL, Gifted and Talented, Special Education, and Regular Education students.

For possible additions or corrections to the vocabulary cards, please contact the Granite School District Math Department at 385-646-4239.

Bibliography of Definition Sources:

Algebra to Go, Great Source, 2000. ISBN 0-669-46151-8
Math on Call, Great Source, 2004. ISBN-13: 978-0-669-50819-2
Math at Hand, Great Source, 1999. ISBN 0-669-46922
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Illustrated Dictionary of Math, Usborne Publishing Ltd., 2003. ISBN 0-7945-0662-3
Math Dictionary, Eula Ewing Monroe, Boyds Mills Press, 2006. ISBN-13: 978-1-59078-413-6
Student Reference Books, Everyday Mathematics, 2007.
Houghton-Mifflin eGlossary, http://www.eduplace.com
Interactive Math Dictionary, http://www.amathsdictionaryforkids.com/

metric system

metric system

metric system

A system of measurement based on tens. The basic unit of capacity is the liter. The basic unit of length is the meter. The basic unit of mass is the gram.

minuend

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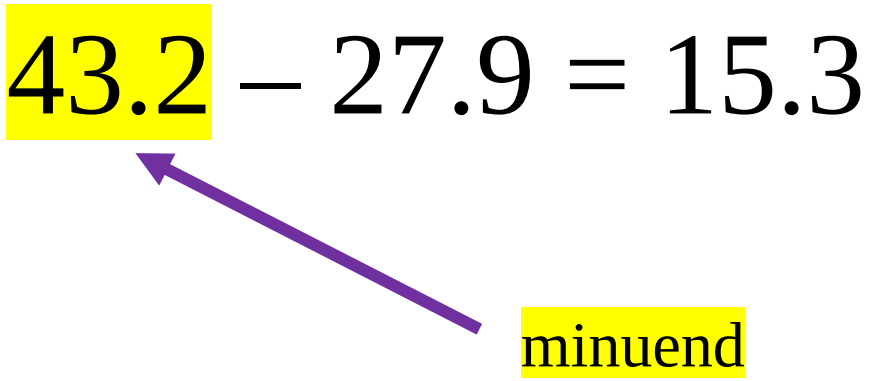
minuend



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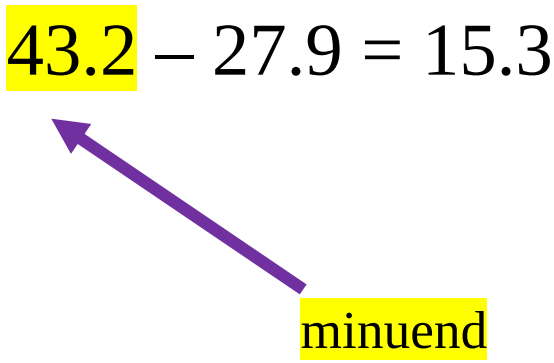
minuend



In subtraction, the minuend is the number you subtract from.

mixed number

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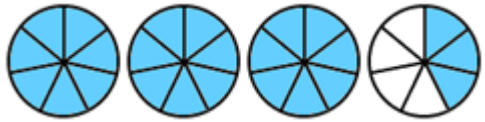
mixed number

Example:

$3\frac{3}{7}$



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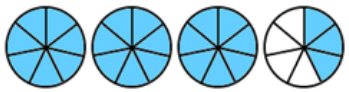
mixed number

Example:

$3\frac{3}{7}$

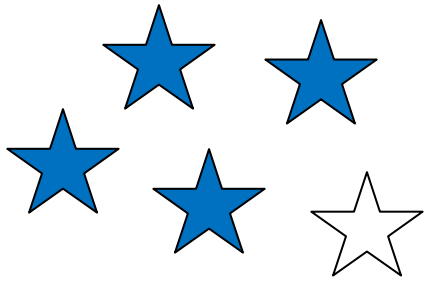


A number with an integer and a fraction part.

numerator

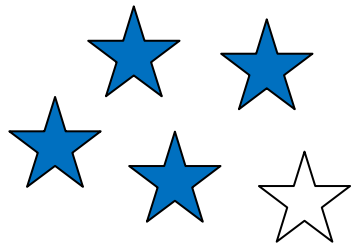
numerator

$\frac{4}{5}$ ← numerator



numerator

$\frac{4}{5}$ ← numerator



The number or expression written above the line in a fraction.

ordered pair

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ordered pair

(-5, 2)

(x , y)

---

ordered pair

(-5, 2)

(x , y)

A pair of numbers that gives the coordinates of a point on a grid in this order (horizontal coordinate, vertical coordinate).

origin

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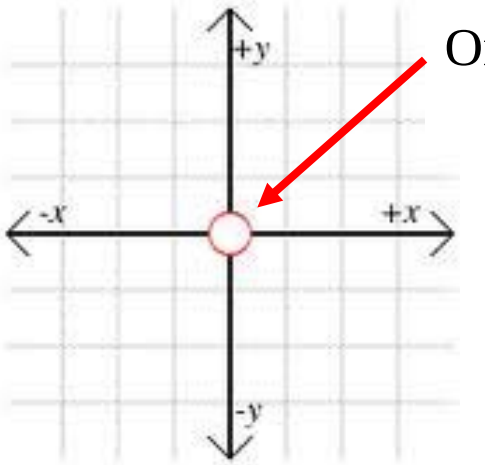
origin



Origin = (0,0)

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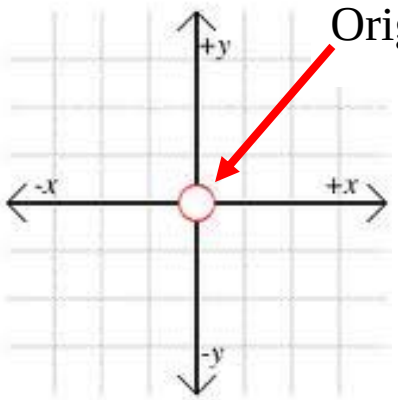
origin

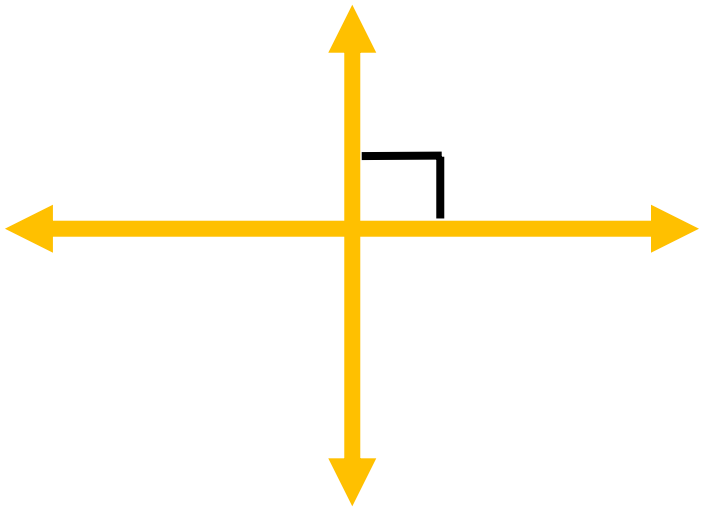


Origin = (0,0)

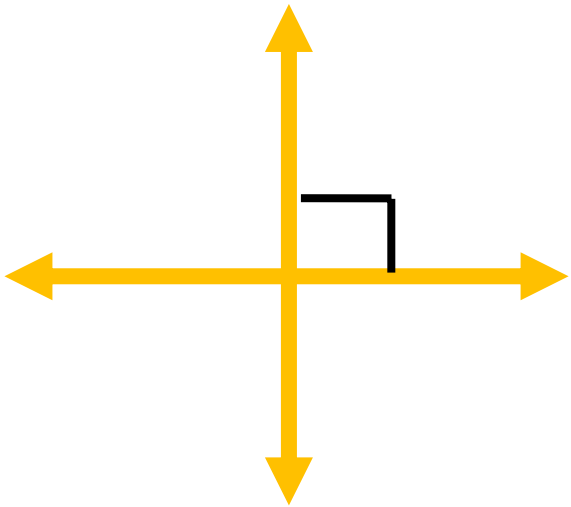
The intersection of the *x*- and *y*-axes in a coordinate plane, described by the ordered pair (0, 0).

perpendicular

perpendicular



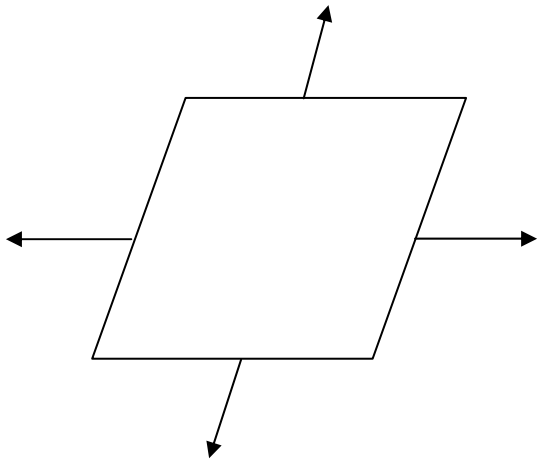
perpendicular



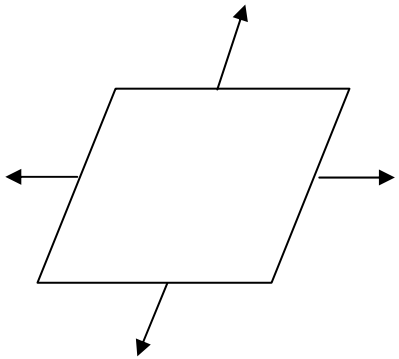
Forming right angles.

plane

plane



plane



A flat surface that extends infinitely in all directions.

powers of ten

powers of ten

10 000	=	10^4
1 000	=	10^3
100	=	10^2
10	=	10^1
1	=	10^0
0.1	=	10^{-1}
0.01	=	10^{-2}
0.001	=	10^{-3}
0.0001	=	10^{-4}

powers of ten

10 000	=	10^4
1 000	=	10^3
100	=	10^2
10	=	10^1
1	=	10^0
0.1	=	10^{-1}
0.01	=	10^{-2}
0.001	=	10^{-3}
0.0001	=	10^{-4}

Using a base number of 10 with an exponent. Our number system is based on the powers of 10.

product

product

Sunglasses are $9.95 a pair.

$ 9.95
x 3
$29.85

product

product

Sunglasses are $9.95 a pair.

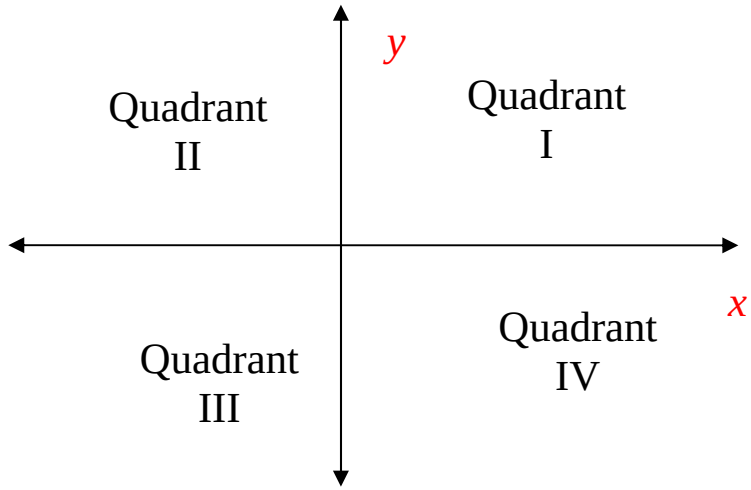
$ 9.95
x 3
$29.85

product

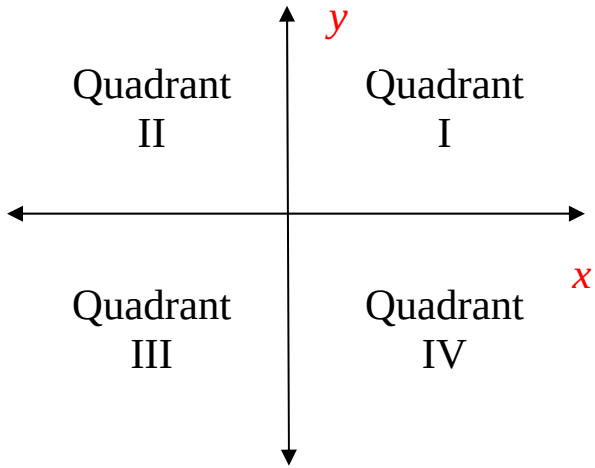
The result of multiplication.

quadrants

quadrants



quadrants



The four sections of a coordinate grid that are separated by the axes.

quotient

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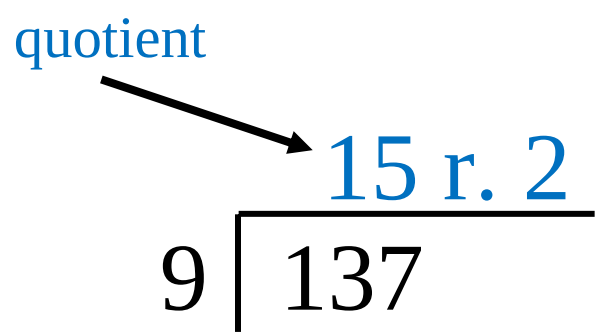
quotient



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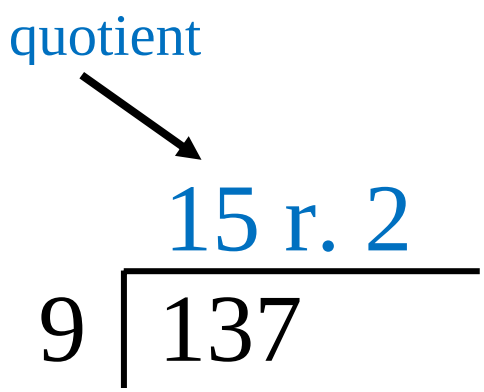
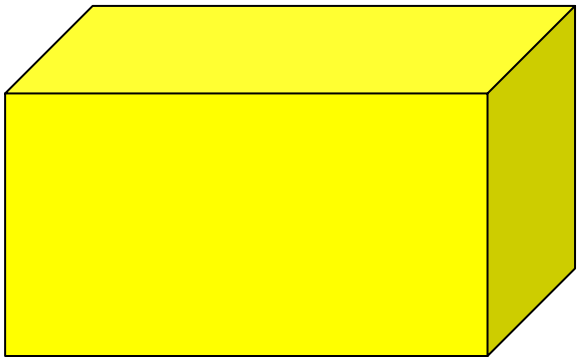
quotient



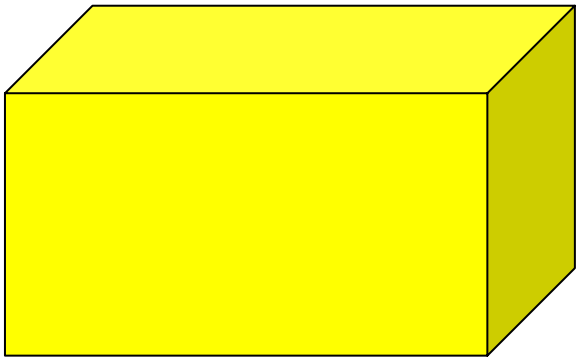
The result of the division of one quantity by another.

right rectangular prism

right rectangular prism



right rectangular prism



A prism with six rectangular faces where the lateral edge is perpendicular to the plane of the base.

sequence

---

sequence

2, 5, 8, 11, 14, 17…

What is the pattern?

---

sequence

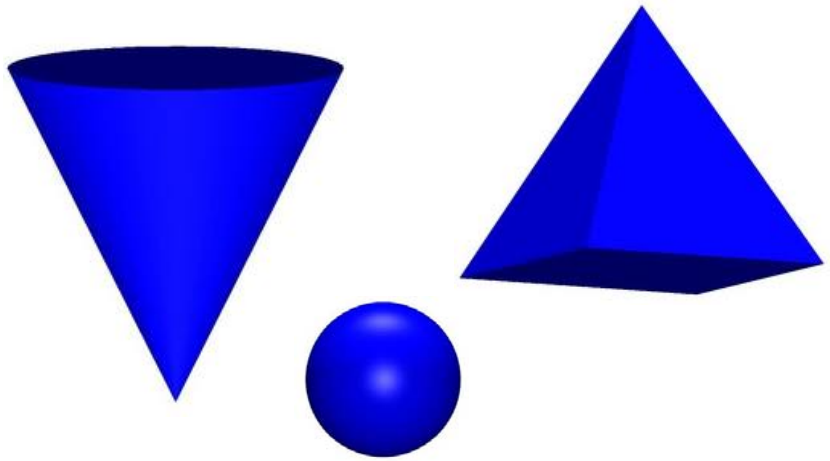
2, 5, 8, 11, 14, 17…

What is the pattern?

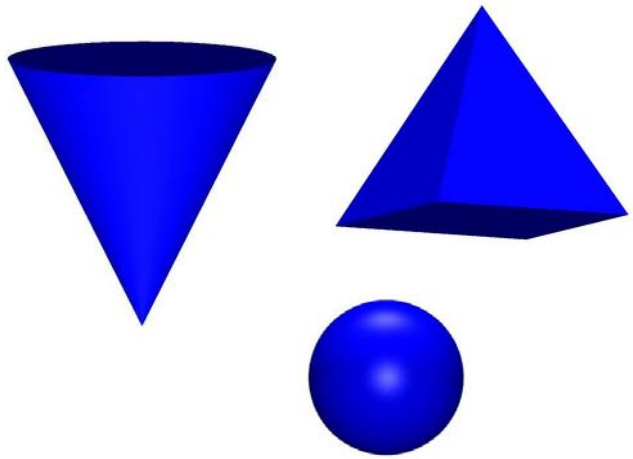
A set of numbers arranged in a special order or pattern.

solid figure

solid figure



solid figure



A geometric figure with 3 dimensions.

subtrahend

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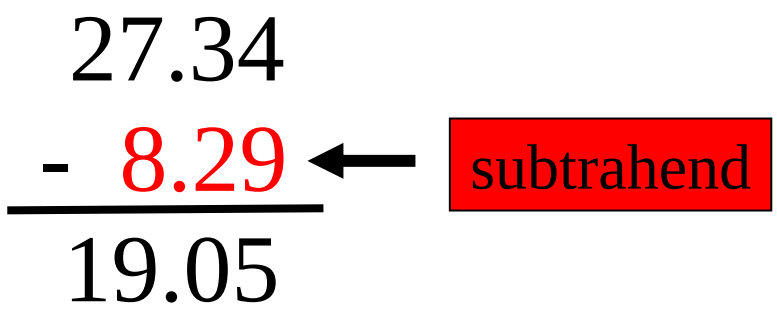
subtrahend



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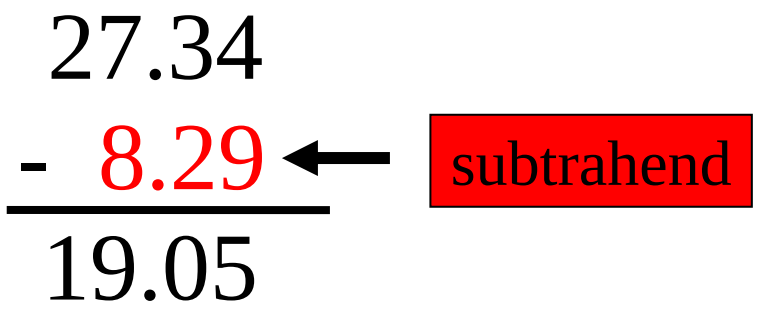
subtrahend



In subtraction, the subtrahend is the number being subtracted.

sum

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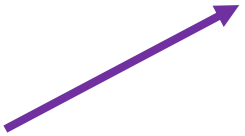
sum

45.3 + 92.9 = 138.2



sum

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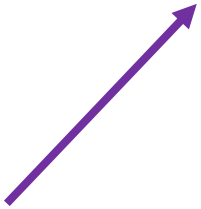
sum

45.3 + 92.9 = 138.2



sum

The result of addition.

term

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term

$5x + 14$

terms

---

term

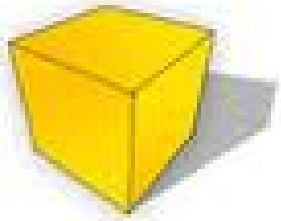
$5x + 14$

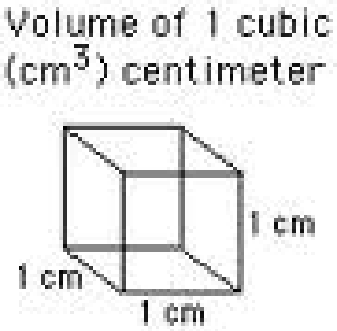
terms

A number, variable, product, or quotient in an expression. A term is *not* a sum or difference.

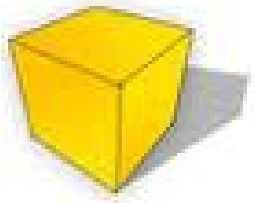
unit cube

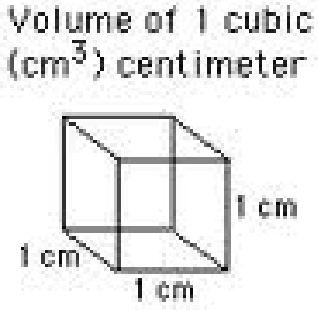
unit cube





unit cube





A precisely fixed quantity used to measure volume.

unit fraction

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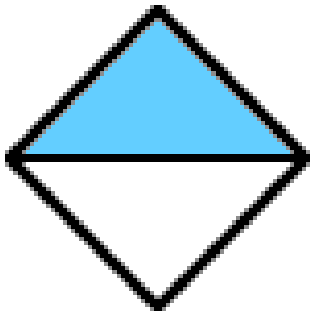
unit fraction

$\frac{1}{2}$

Example



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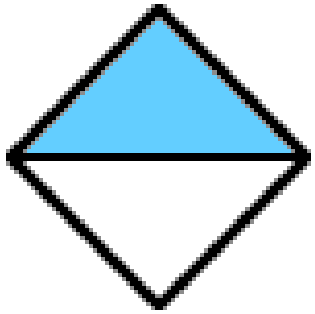
unit fraction

$\frac{1}{2}$

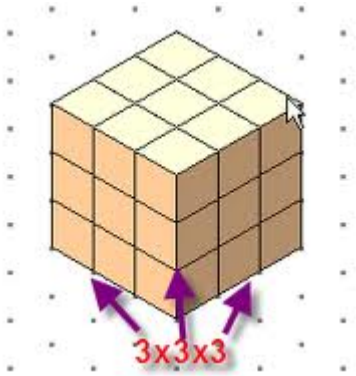
Example



A fraction with a numerator of 1.

volume

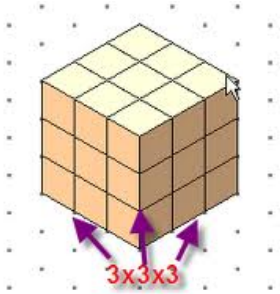
volume



Volume =

27 cubic units

volume



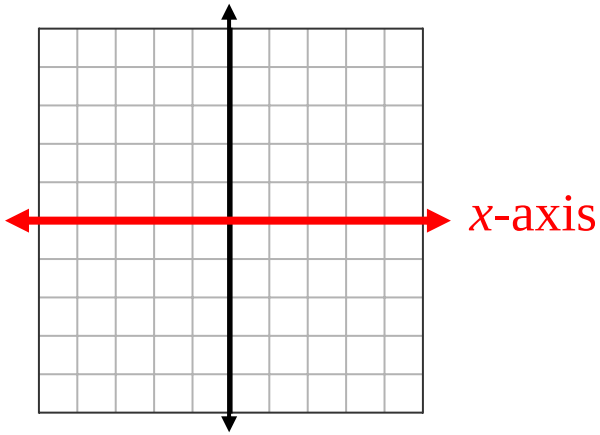
Volume =

27 cubic units

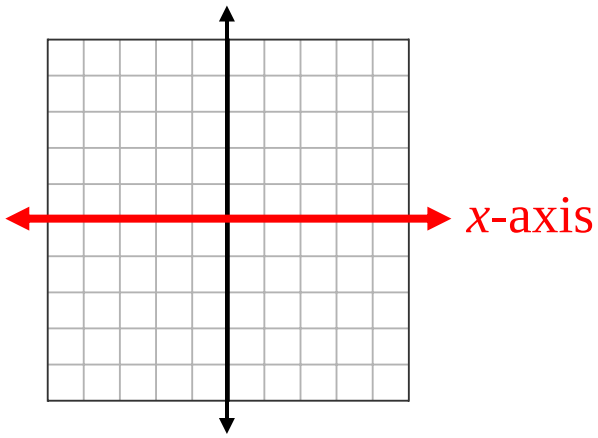
The number of cubic units it takes to fill a figure.

x-axis

x-axis



x-axis



In a Cartesian grid, the horizontal axis.

x-coordinate

---

x-coordinate

(7, 2)

x-coordinate

---

x-coordinate

(7, 2)

x-coordinate

In an ordered pair, the value that is always written first.

y-axis

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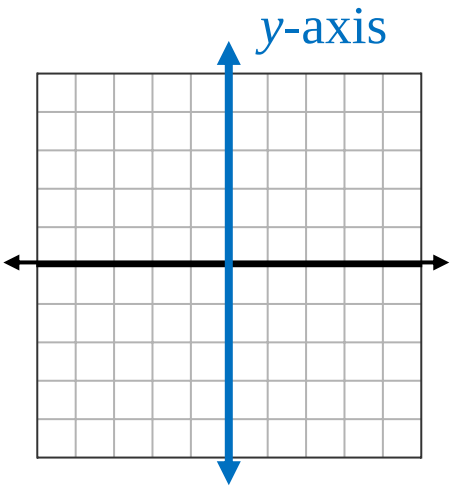
y-axis



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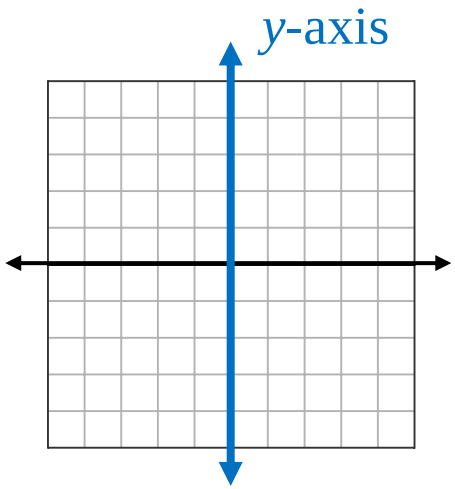
y-axis



In a Cartesian grid, the vertical axis.

y-coordinate

_y_-coordinate

(7, 2)

y-coordinate

_y_-coordinate

(7, 2)

y-coordinate

In an ordered pair, the value that is always written second.