Vocabulary Cards and Word Walls

Revised: June 29, 2011

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
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Student Reference Books, Everyday Mathematics, 2007.
Houghton-Mifflin eGlossary, http://www.eduplace.com
Interactive Math Dictionary, http://www.amathsdictionaryforkids.com/

mass

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mass

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mass

The amount of matter in an object. Usually measured by comparing with an object of known mass. While gravity influences weight, it does not affect mass.

meter (m)

meter (m)

A baseball bat is *about* 1 meter long.

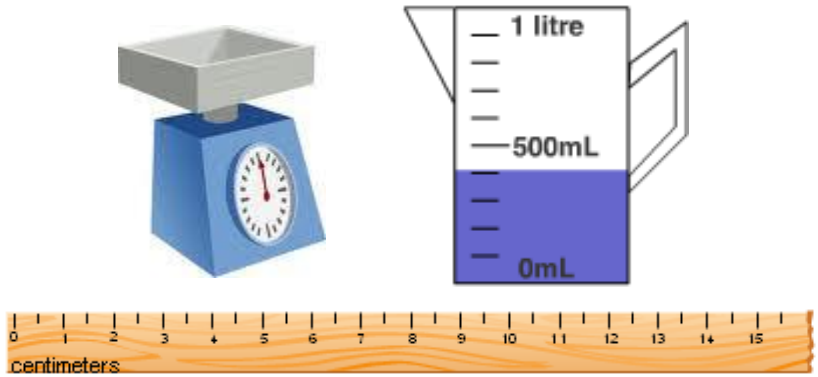
meter (m)

A standard unit of length in the metric system.

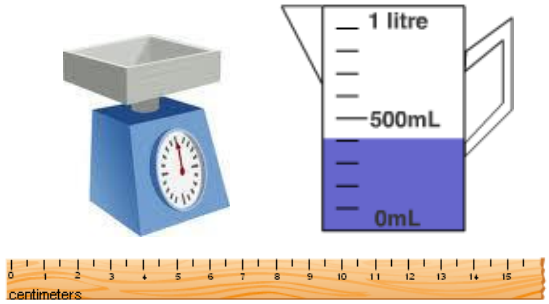
A baseball bat is *about* 1 meter long.

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.

mile

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mile

Two times around the average roller coaster is *about* 1 mile.

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mile

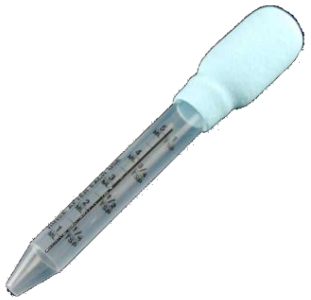
Two times around the average roller coaster is *about* 1 mile.

A customary unit of length.
1 mile = 5,280 feet

milliliter (mL)

This holds about 10 drops or 1 milliliter.

milliliter (mL)



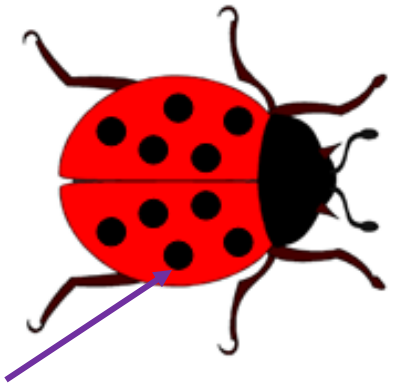
This holds about 10 drops or 1 milliliter.

milliliter (mL)

A metric unit of capacity.
1,000 milliliters = 1 liter.

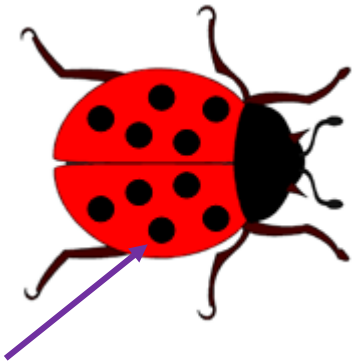
millimeter (mm)

millimeter (mm)



The dot on a ladybug is *about* 1 millimeter wide.

millimeter (mm)

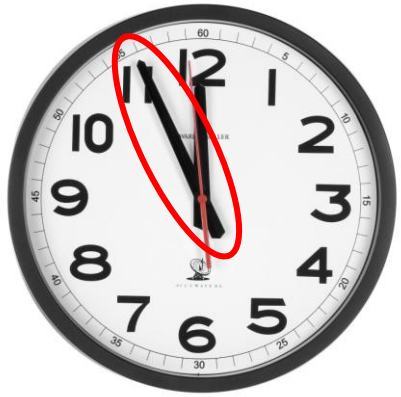


The dot on a ladybug is *about* 1 millimeter wide.

A metric unit of length.
1,000 millimeters = 1 meter

minute (min)

minute (min)



minute (min)

One sixtieth of an hour or 60 seconds.

mixed number

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mixed number

$1\frac{5}{8}$ $4\frac{3}{4}$

---

mixed number

$1\frac{5}{8}$ $4\frac{3}{4}$

A number that has a whole number (not 0) and a fraction.

multiple

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multiple

12 is a multiple of 3
(and of 4)
because 3 x 4 = 12

---

multiple

12 is a multiple of 3
(and of 4)
because 3 x 4 = 12

A product of a given whole number and any other whole number.

multiplicative comparison

multiplicative comparison

Amy has 5 baseball cards. Jeff has 3 times as many cards as Amy. How many baseball cards did they have altogether?

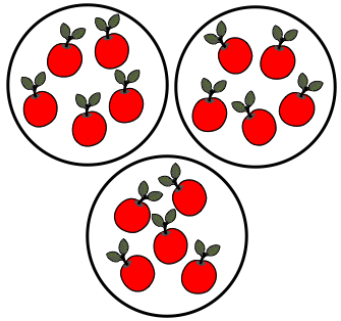
multiplicative comparison

Amy has 5 baseball cards. Jeff has 3 times as many cards as Amy. How many baseball cards did they have altogether?

Compare by asking or telling how many times more one amount is as another. e.g. 4 times greater than.

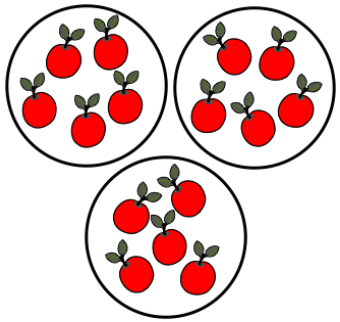
multiply

multiply



3 x 5 is the same as 5 + 5 + 5

multiply



3 x 5 = 5 + 5 + 5

The operation of repeated addition of the same number.

number line

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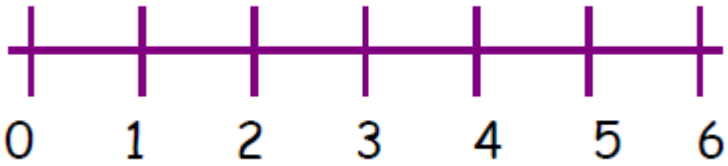
number line



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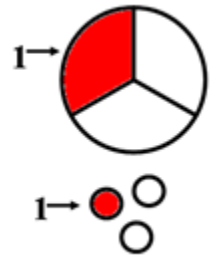
number line

A diagram that represents numbers as points on a line.

numerator

numerator

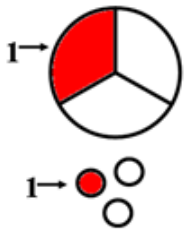
$\frac{1}{3}$



- Parts shaded
- Parts we are using

numerator

$\frac{1}{3}$



- Parts shaded
- Parts we are using

The number written above the line in a fraction. It tells how many equal parts are described in the fraction.

obtuse angle

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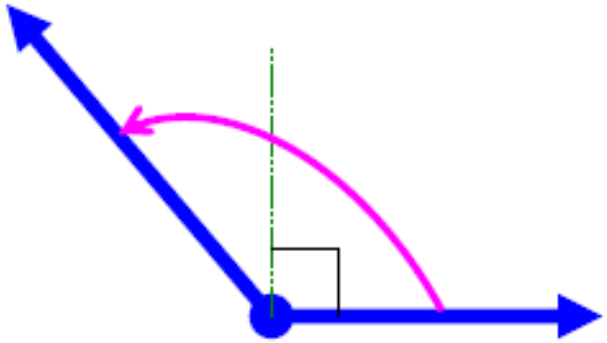
obtuse angle



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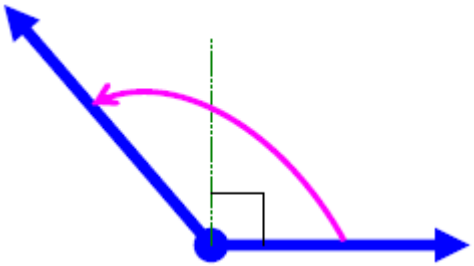
obtuse angle



An angle with a measure greater than 90º but less than 180º.

Order of Operations

Order of Operations

Order of Operations

1. **Do operations in parentheses.**
2. **Multiply and divide in order from left to right.**
3. **Add and subtract in order from left to right.**

Order of Operations

Order of Operations

1. **Do operations in parentheses.**
2. **Multiply and divide in order from left to right.**
3. **Add and subtract in order from left to right.**

A set of rules that tells the order in which to compute.

ounce (oz)

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ounce (oz)

A strawberry weighs *about* 1 ounce.

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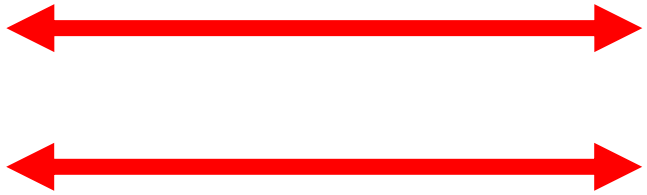
ounce (oz)

A strawberry weighs *about* 1 ounce.

A customary unit of weight equal to one sixteenth of a pound. 16 ounces = 1 pound.

parallel lines

parallel lines



parallel lines

Lines that are always the same distance apart. They do not intersect.

parentheses

parentheses
( )

(2 + 3) x 4
5 x 4
20

parentheses
( )

(2 + 3) x 4
5 x 4
20

Used in mathematics as grouping symbols for operations. When simplifying an expression, the operations within the parentheses are performed first.

pattern

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pattern

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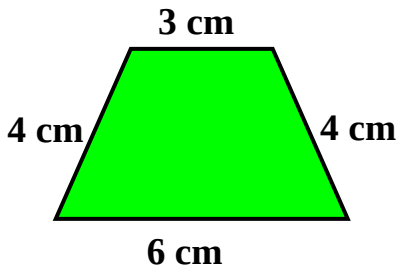
pattern

A repeating or growing sequence or design. An ordered set of numbers or shapes arranged according to a rule.

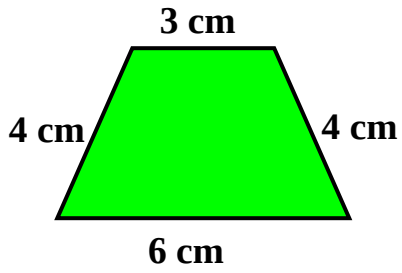
perimeter

perimeter



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

perimeter

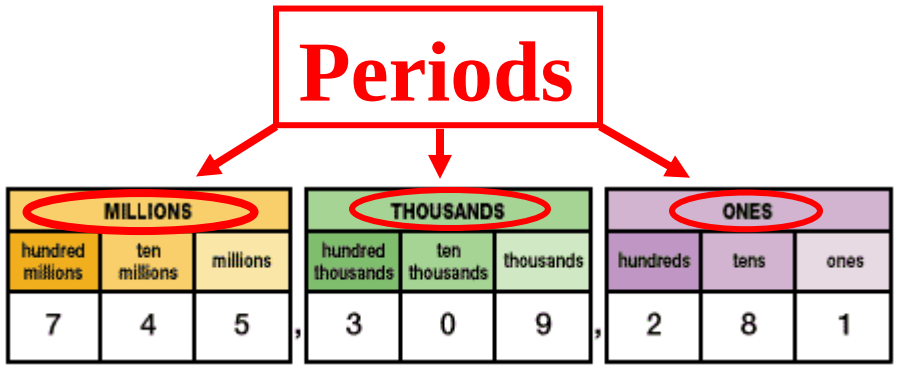


The distance around the outside of a figure.

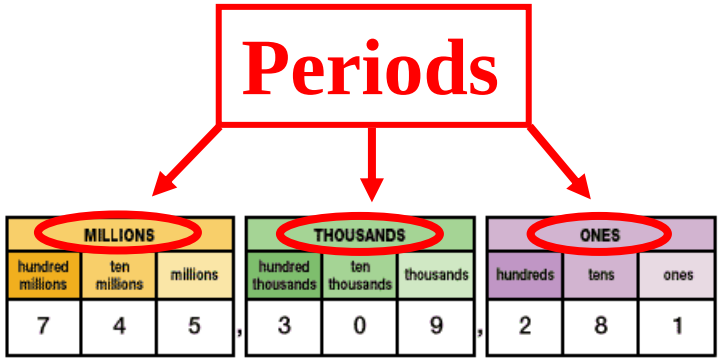
Perimeter = 4cm + 6cm + 4cm + 3cm
= 17cm

period

period



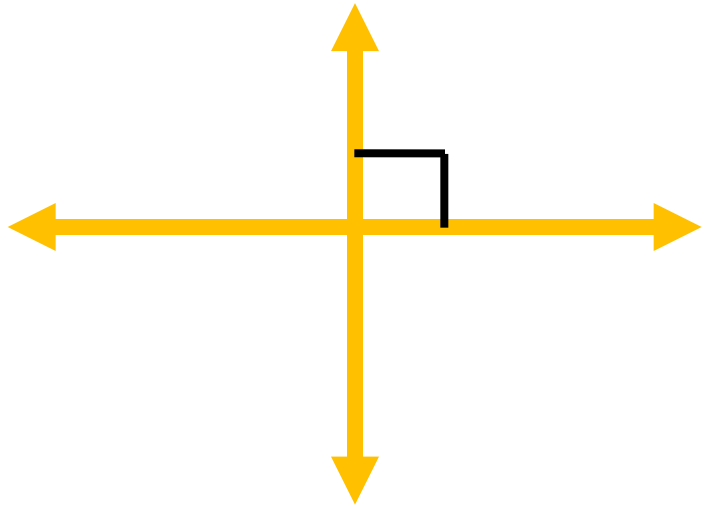
period



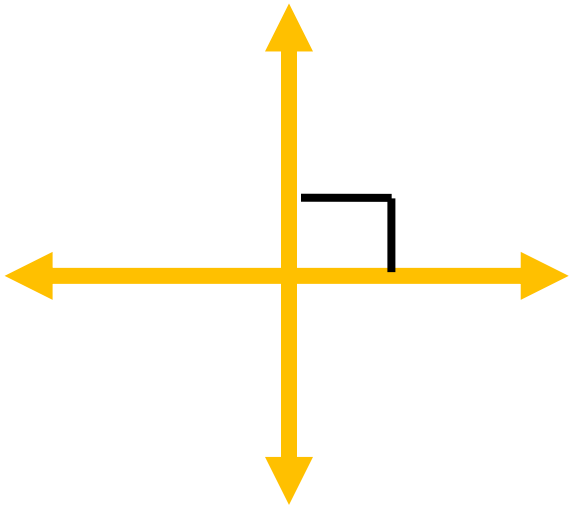
In a large number, periods are groups of 3 digits separated by commas or by spaces.

perpendicular lines

perpendicular lines



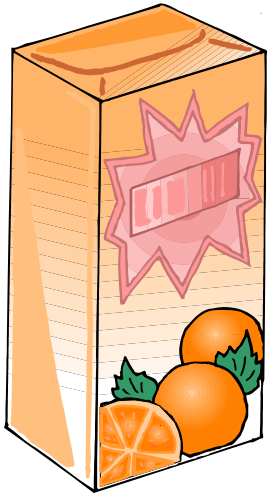
perpendicular lines



Two intersecting lines that form right angles.

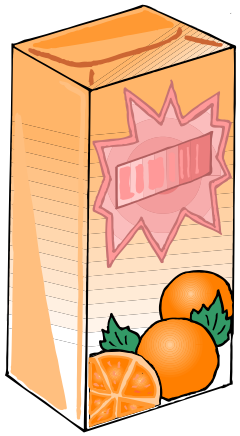
pint (pt)

pint (pt)



The orange juice carton holds 1 pint.

pint (pt)



The orange juice carton holds 1 pint.

A customary unit of capacity.
1 pint = 2 cups

place value

place value

MILLIONS				THOUSANDS				ONES		
hundred millions	ten millions	millions	,	hundred thousands	ten thousands	thousands	,	hundreds	tens	ones
7	4	5	,	3	0	9	,	2	8	1

place value

MILLIONS				THOUSANDS				ONES		
hundred millions	ten millions	millions	,	hundred thousands	ten thousands	thousands	,	hundreds	tens	ones
7	4	5	,	3	0	9	,	2	8	1

The value of the place of a digit in a number.

plane figure

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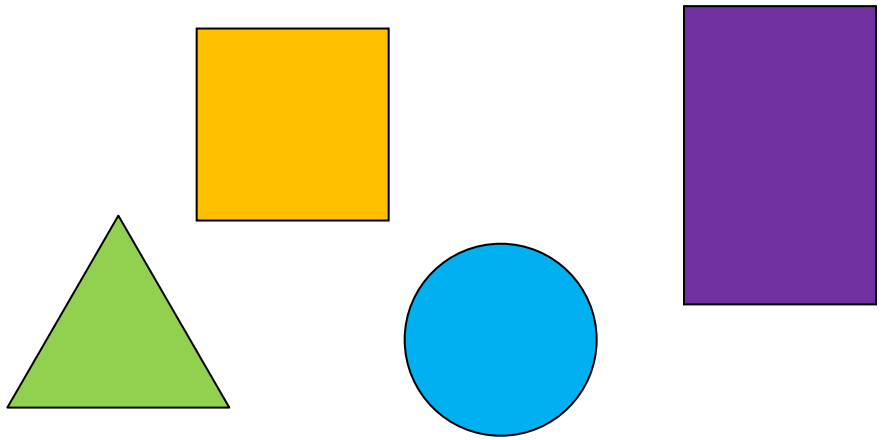
plane figure



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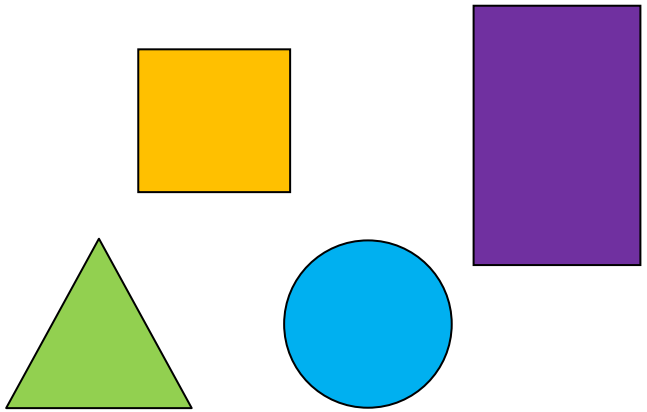
plane figure



A two-dimensional figure.

point

point

point

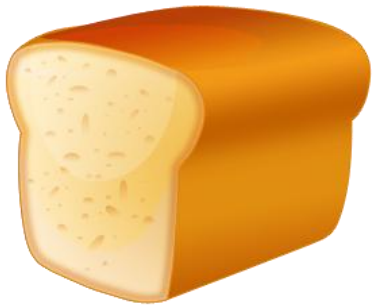
The exact location in space represented by a dot.

pound (lb)

pound (lb)

A loaf of bread weighs *about* 1 pound.

pound (lb)

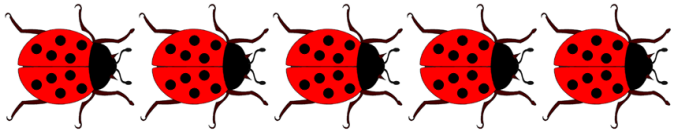


A loaf of bread weighs *about* 1 pound.

A customary unit of weight.
1 pound = 16 ounces.

prime number

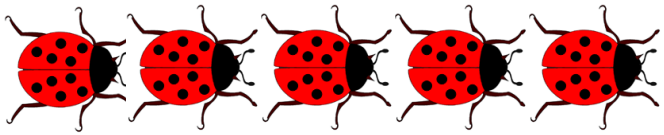
prime number



1 x 5 = 5

5 is a prime number

prime number



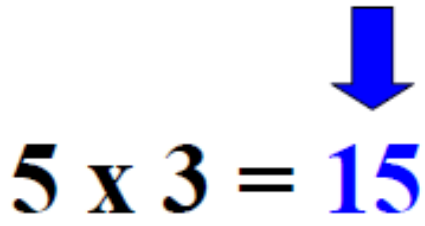
1 x 5 = 5

5 is a prime number

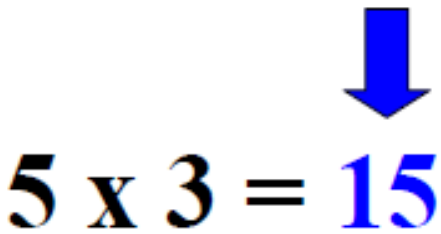
A whole number greater than 0 that has exactly two different factors, 1 and itself.

product

product



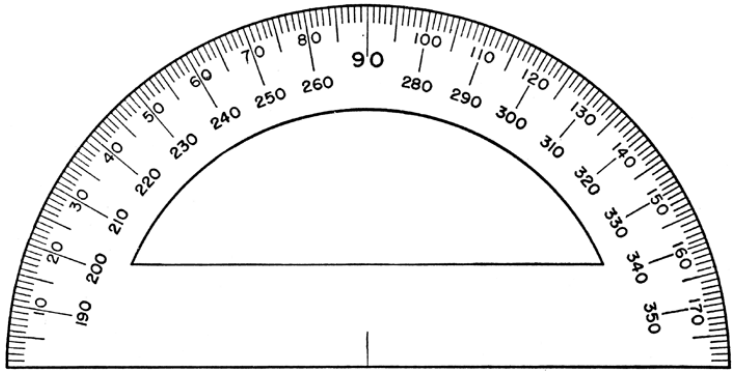
product



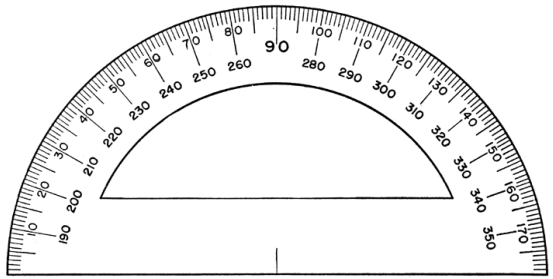
The answer to a multiplication problem.

protractor

protractor



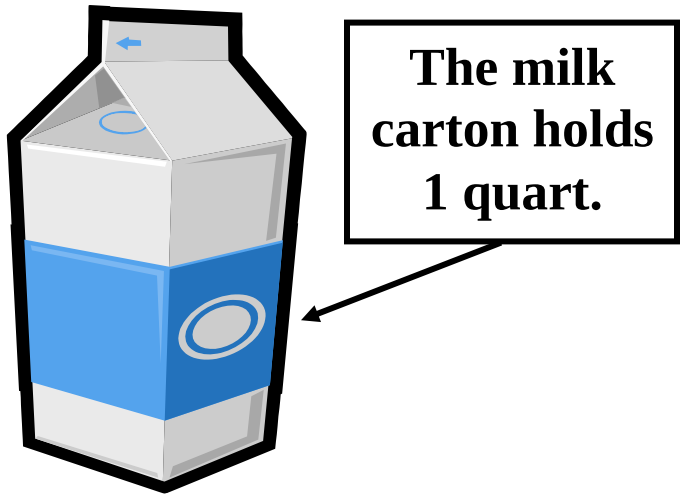
protractor



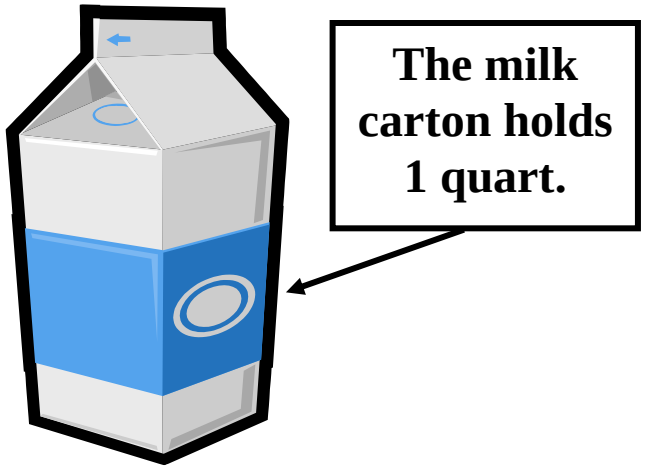
A tool used to measure and draw angles.

quart (qt)

quart (qt)



quart (qt)

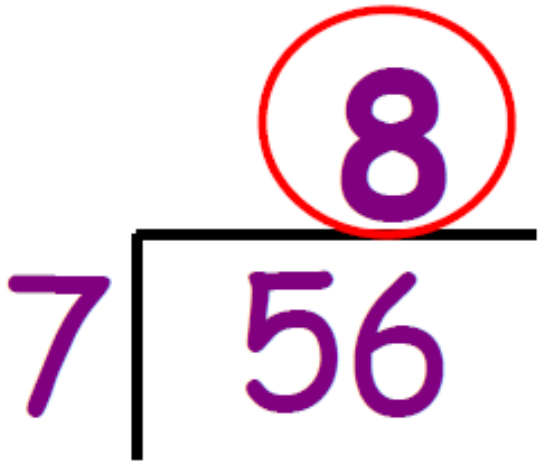


A customary unit of capacity.

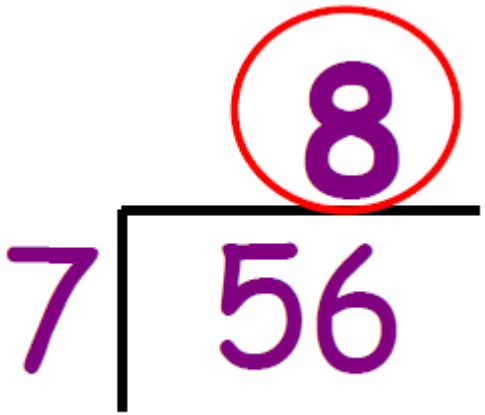
1 quart = 2 pints
or
1 quart = 4 cups

quotient

quotient



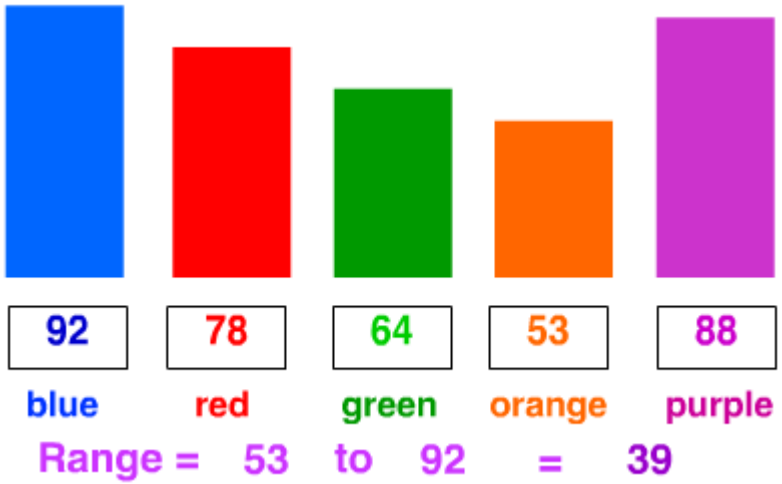
quotient



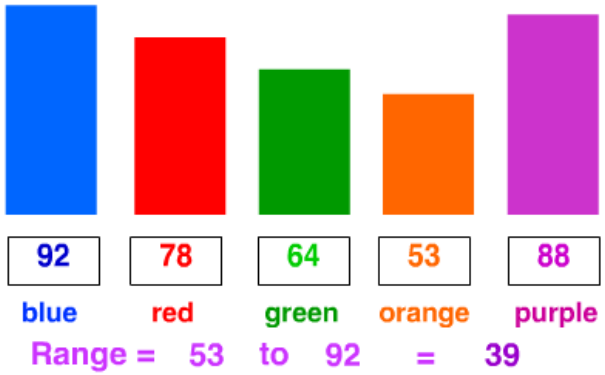
The answer to a division problem.

range

range



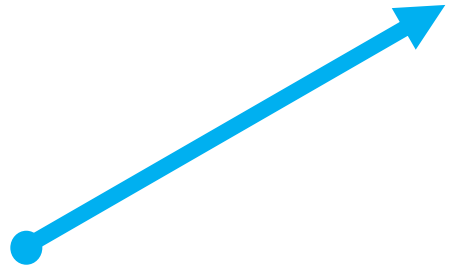
range



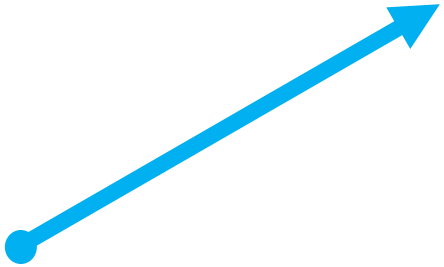
The difference between the greatest number and the least number in a set of data.

ray

ray



ray



A part of a line that has one endpoint and goes on forever in one direction.

reasonableness

reasonableness

What is the product of 57 and 34?

A. 1,938 C. 5,738

B. 3,208 D. 8,698

Use estimation to eliminate unreasonable choices.

60 x 30 =1,800

B, C, and D are not close to 1,800.

The answer is A.

reasonableness

What is the product of 57 and 34?

A. 1,938 C. 5,738

B. 3,208 D. 8,698

Use estimation to eliminate unreasonable choices.

60 x 30 = 1,800

B, C, and D are not close to 1,800.

The answer is A.

An answer that is based on good number sense.

related facts

related facts

Related Facts for 3, 5, 8

3 + 5 = 8	**8 – 5 = 3**
5 + 3 = 8	**8 – 3 = 5**

related facts

Related Facts for 3, 5, 8

3 + 5 = 8	**8 – 5 = 3**
5 + 3 = 8	**8 – 3 = 5**

Related addition and subtraction facts or related multiplication and division facts. Also called *fact family*.

remainder

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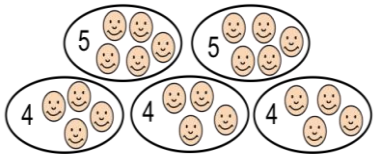
remainder

There are 22 students going on a field trip.
There are 5 chaperones.
How many students can be in a group?

22 ÷ 5 = 4 R2



4 or 5 students can be in a group.

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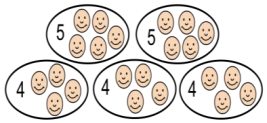
remainder

There are 22 students going on a field trip.
There are 5 chaperones.
How many students can be in a group

22 ÷ 5 = 4 R2

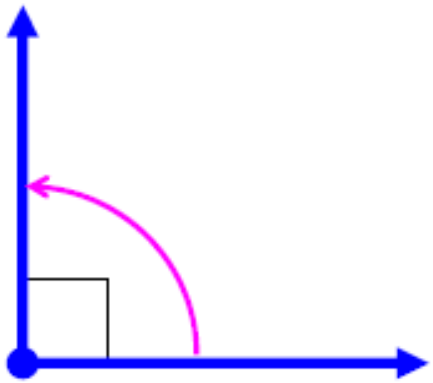


4 or 5 students can be in a group.

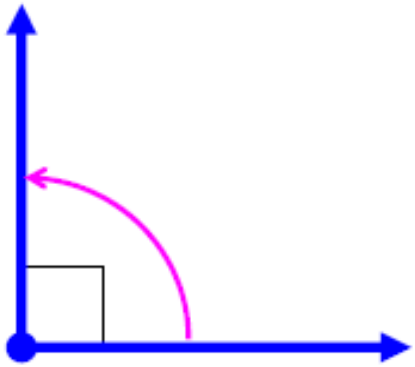
The amount left over when one number is divided by another.

right angle

right angle



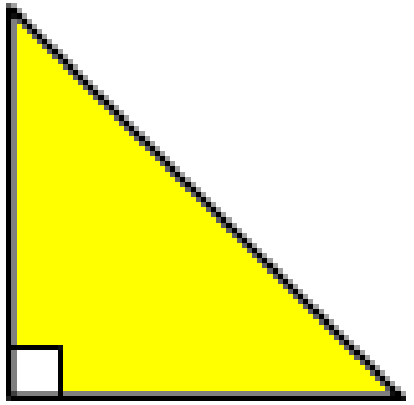
right angle



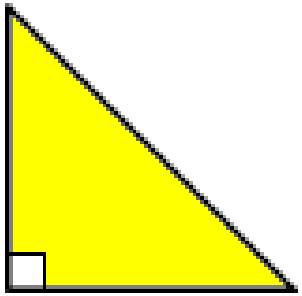
An angle that measures exactly 90º.

right triangle

right triangle



right triangle

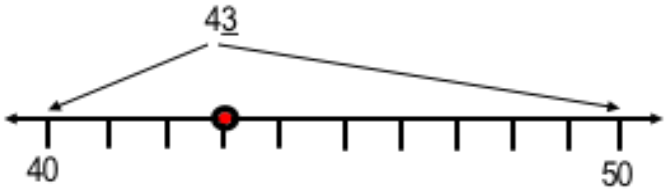


A triangle that has one 90º angle.

round a whole number

round a whole number

round a whole number



To find the nearest ten, hundred, thousand, (and so on).

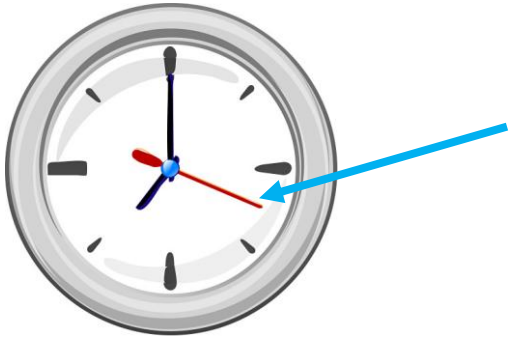
second (sec)

(unit of time)

---

second (sec)

(unit of time)



60 seconds = 1 minute

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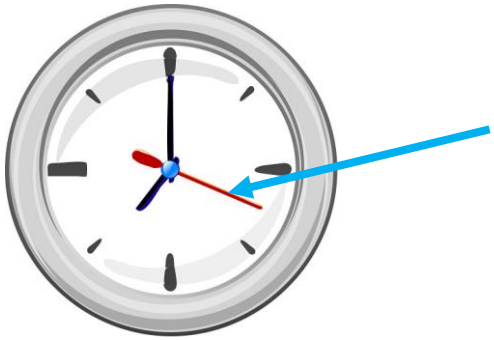
second (sec)

(unit of time)



60 seconds = 1 minute

One sixtieth of a minute. There are 60 seconds in a minute.

sequence

---

sequence

2, 5, 8, 11, 14, 17…

---

sequence

2, 5, 8, 11, 14, 17…

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

simplest form

simplest form

simplest form

When a fraction is expressed with the fewest possible pieces, it is in simplest form. (Also called *lowest terms.)*

simplify

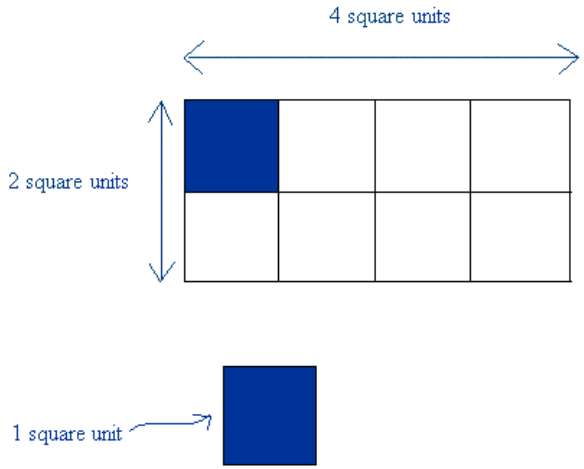
simplify

simplify

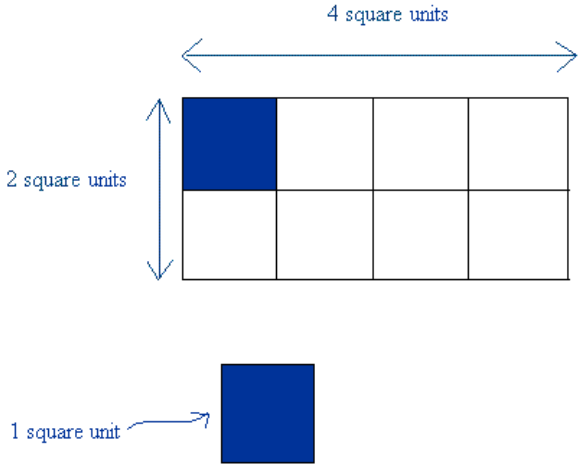
To express a fraction in simplest form.

square unit

square unit



square unit



A unit, such as square centimeter or square inch, used to measure area.

standard form

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standard form

12,345

---

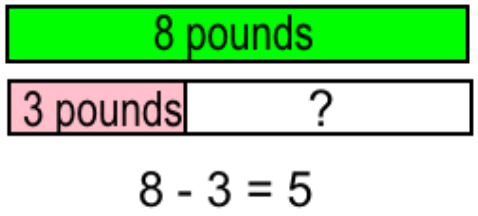
standard form

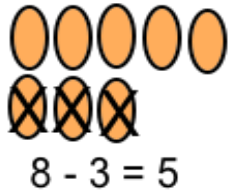
12,345

A common or usual way of writing a number using digits.

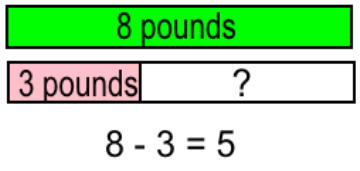
subtract

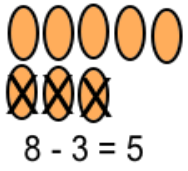
subtract





subtract





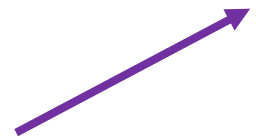
An operation that gives the difference between two numbers. Subtraction can be used to compare two numbers, or to find out how much is left after some is taken away.

sum

---

sum

453 + 929 = 1,382

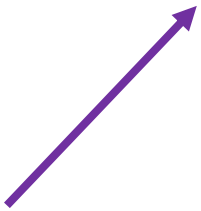


sum

---

sum

453 + 929 = 1,382

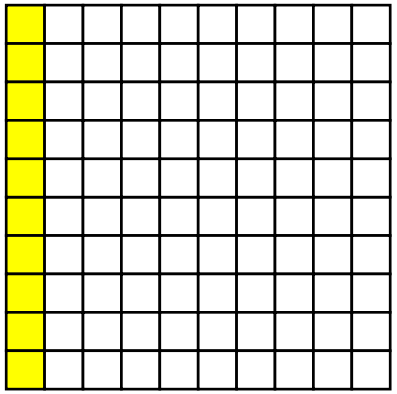


sum

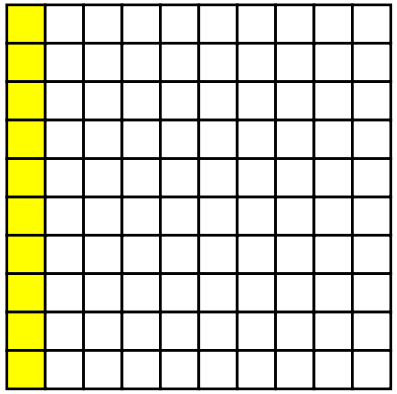
The answer to an addition problem.

tenth

tenth



tenth



One of the equal parts when a whole is divided into 10 equal parts.

time interval

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time interval

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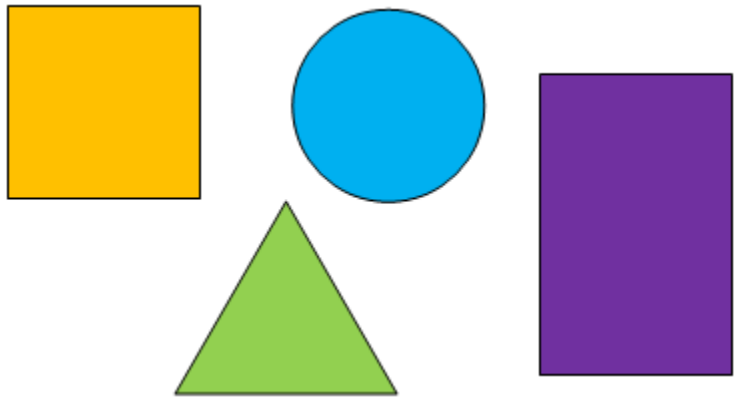
time interval

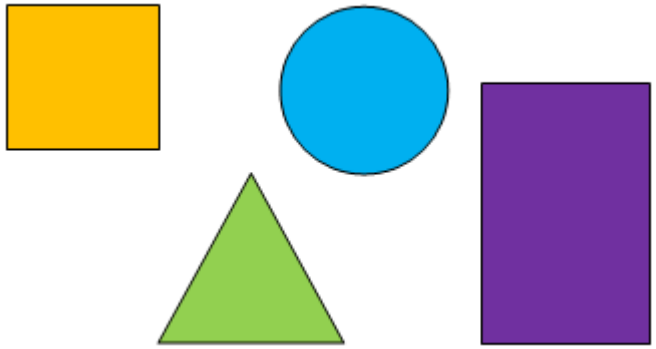
A duration of a segment of time.

two-dimensional

two-dimensional



two-dimensional



Having length and width. Having area, but not volume. Also called a plane figure.

unit fraction

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unit fraction

$\frac{1}{2}$

---

unit fraction

$\frac{1}{2}$

A fraction that has 1 as its numerator.

unlike denominators

unlike denominators

$\frac{1}{3}$ $\frac{1}{4}$ $\frac{1}{5}$

unlike denominators

$\frac{1}{3}$ $\frac{1}{4}$ $\frac{1}{5}$

Denominators that are not equal.

variable

---

variable

$5 \times b = 10$

b is a variable worth 2

---

variable

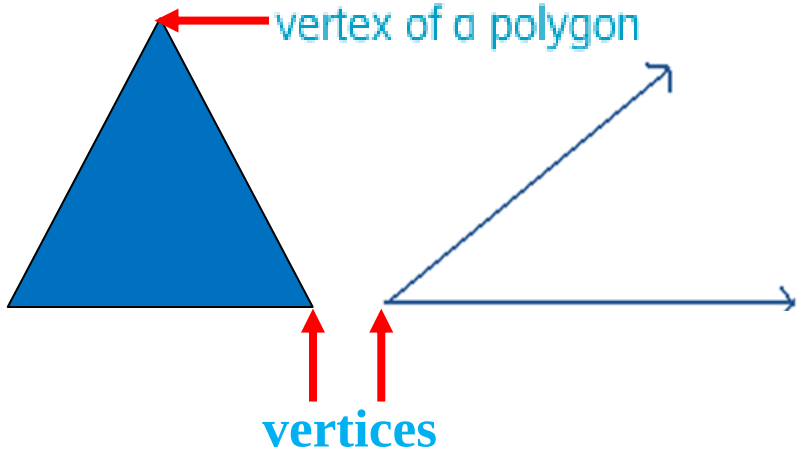
$5 \times b = 10$

b is a variable worth 2

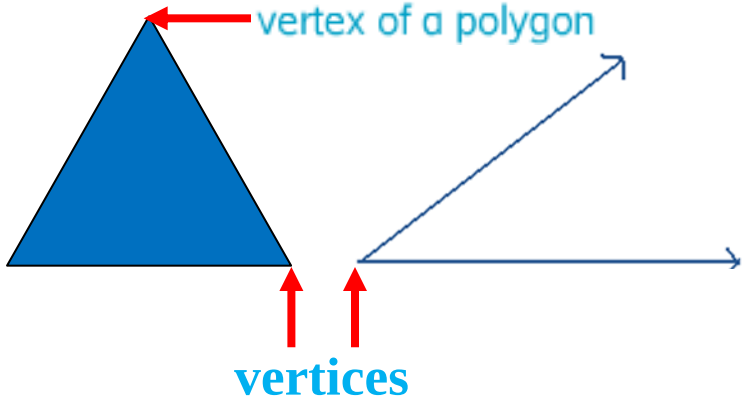
A letter or symbol that represents a number.

vertex

vertex



vertex



The point at which two line segments, lines, or rays meet to form an angle.

volume

volume

liquid volume

volume

liquid volume

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

weight

---

weight

---

weight

The measure of how heavy something is.

whole numbers

whole numbers

whole numbers

Whole numbers are zero and the counting numbers 1, 2, 3, 4, 5, 6, and so on. If a number has a negative sign, a decimal point, or a part that's a fraction, it is not a whole number.

word form

word form

The word form of 12,345
is twelve thousand
three hundred
forty-five

word form

The word form of 12,345
is twelve thousand
three hundred
forty-five

A way of using words
to write a number.

yard (yd)

yard (yd)

A door is *about* 1 yard wide.

yard (yd)

A door is *about* 1 yard wide.

A customary unit of length.
1 yard = 3 feet or 36 inches.

Zero Property of Multiplication

Zero Property of Multiplication

8 x 0 = 0

Zero Property of Multiplication

8 x 0 = 0

The product of any number and zero is zero.