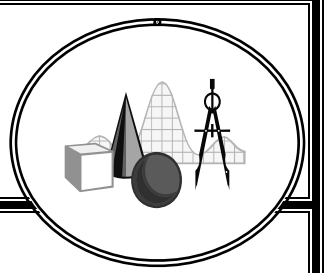
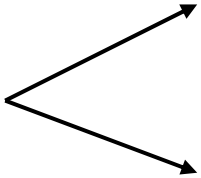
angle



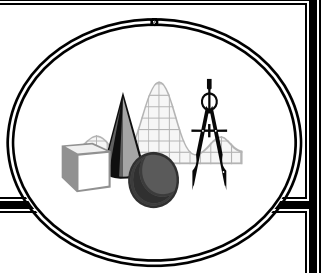
Definition and illustration (if applicable):

a figure formed by two rays called sides having a common endpoint called the vertex



Associated terms:

area

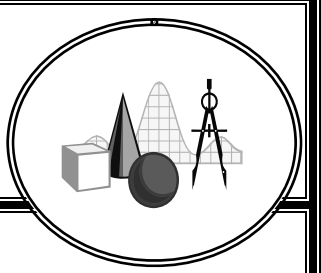


Definition and illustration (if applicable):

the number of square units needed to cover a surface

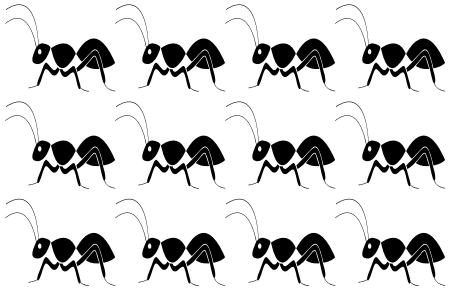
Associated terms:

array



Definition and illustration (if applicable):

a set of objects or numbers arranged in rows and columns



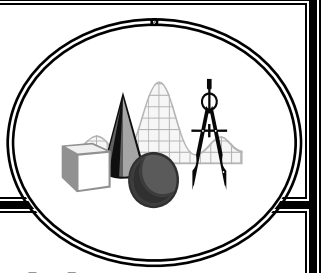
There are 3 rows of ants.

There are 4 columns of ants.

There are 12 ants in this *array*.

Associated terms:

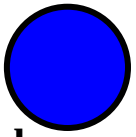
attribute



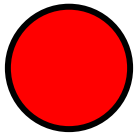
Definition and illustration (if applicable):

a quality or characteristic, such as color, thickness, size, and shape

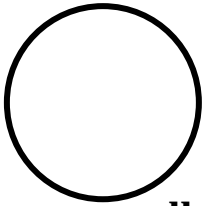
circle



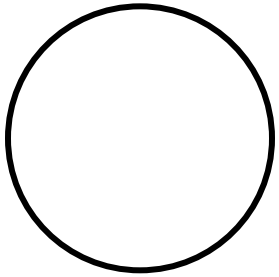
blue



red

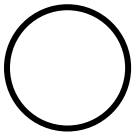


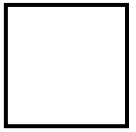
small



large

square

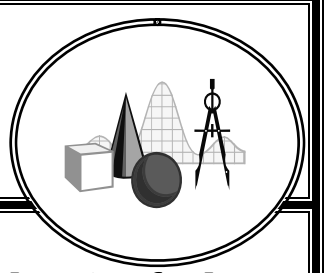




triangle

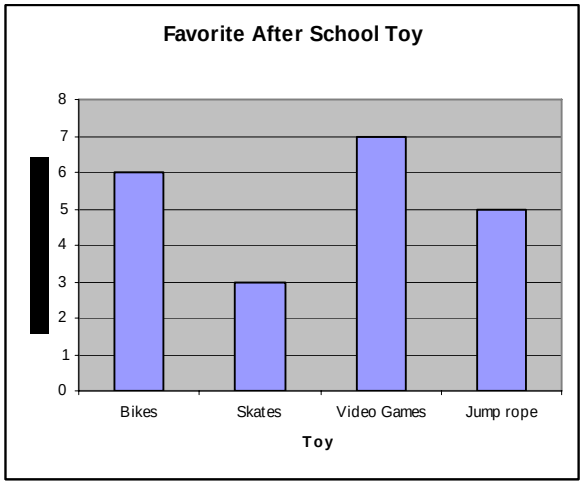
Associated terms: **classify**

bar graph



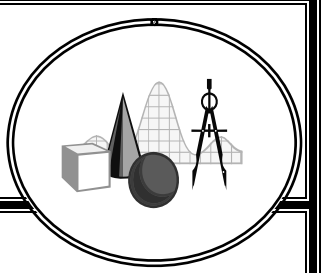
Definition and illustration (if applicable):

a type of graph used to display data organized by categories; each axis of a bar graph should be labeled; the bar graph should be titled and have a key



Associated terms:

calendar

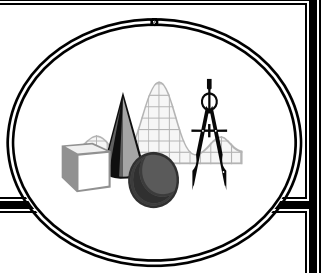


Definition and illustration (if applicable):

a tool for measuring time in *days, weeks, months, and years; yesterday, tomorrow, next week, last week*

Associated terms:

cardinal number

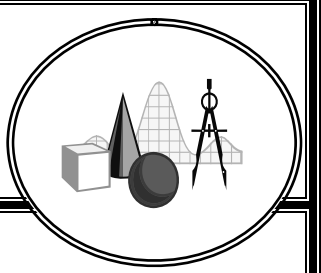


Definition and illustration (if applicable):

numbers used for counting or answering the question "how many?"

Associated terms: ordinal number

certain (probability)

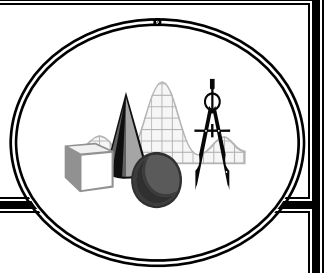


Definition and illustration (if applicable):

An event is certain to occur if it has a probability of 1.

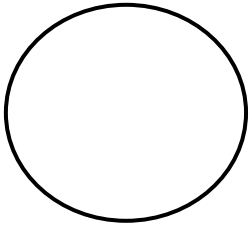
Associated terms: impossible

circle



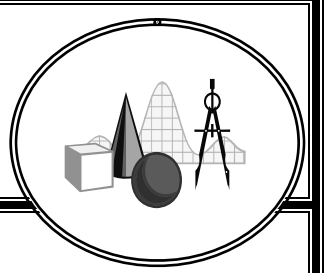
Definition and illustration (if applicable):

a circle is a closed curve with all points in one plane and the same distance (radius) from a fixed point, the center; the center is not part of the circle



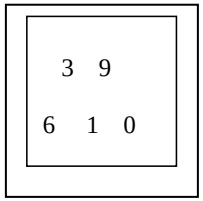
Associated terms:

classify

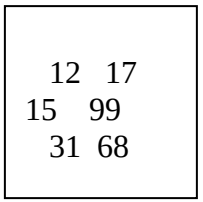


Definition and illustration (if applicable):

to sort into groups according to attribute(s)



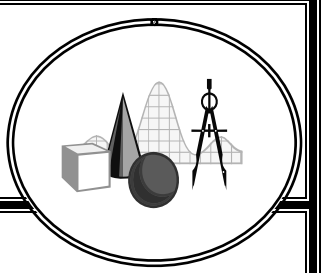
one-digit numbers



two-digit numbers

Associated terms:

Commutative Property of Addition



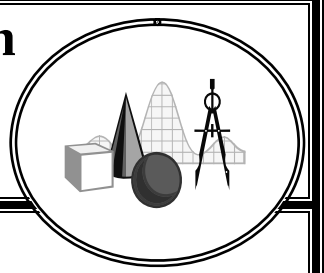
Definition and illustration (if applicable):

changing the order of the addends does not affect the sum

6 + 7 = 7 + 6

Associated terms:

Commutative Property of Multiplication



Definition and illustration (if applicable):

changing the order of the factors does not affect the product

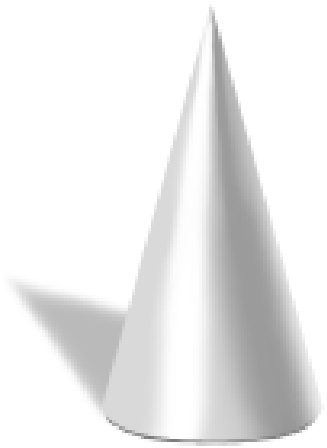
8 x 6 = 6 x 8

Associated terms:

cone

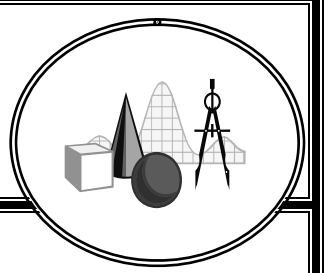
Definition and illustration (if applicable):

solid figure with a usually circular base joined to a vertex by a curved surface



Associated terms: geometric solids

congruent

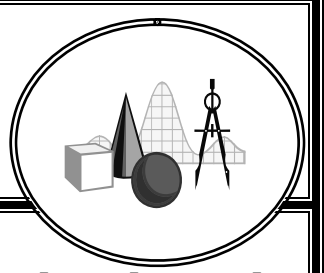


Definition and illustration (if applicable):

figures with exactly the same size and shape

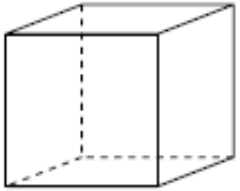
Associated terms:

cube



Definition and illustration (if applicable):

solid figure with six congruent, square faces; all edges are the same length; a cube has 8 vertices, 12 edges



Associated terms: geometric solids

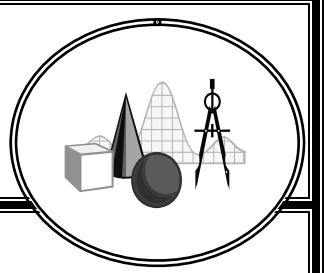
cylinder

Definition and illustration (if applicable):

solid figure with two congruent, parallel, usually circular bases joined by a curved surface

Associated terms: geometric solids

data

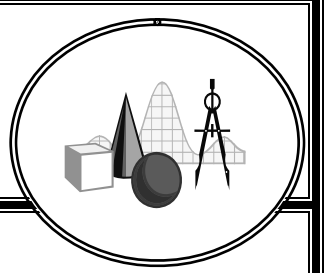


Definition and illustration (if applicable):

pieces of information collected to answer a question

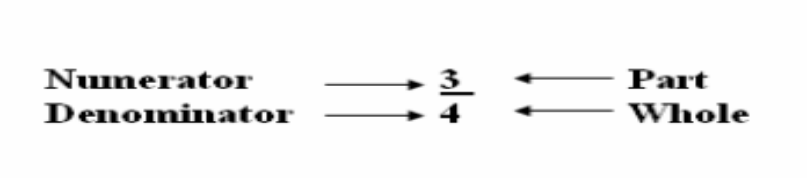
Associated terms:

denominator



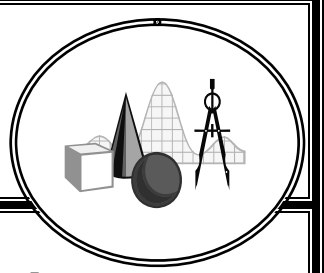
Definition and illustration (if applicable):

the number of equally-sized parts that make the whole or the complete set



Associated terms: fraction

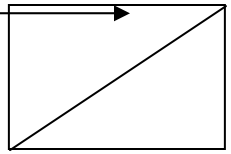
diagonal



Definition and illustration (if applicable):

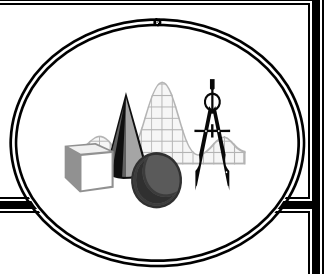
a line segment that joins two non-adjacent vertices in a polygon

diagonal



Associated terms:

difference



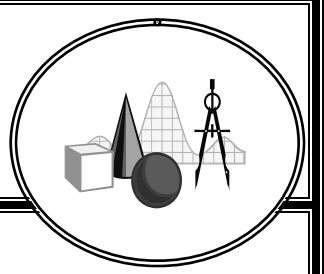
Definition and illustration (if applicable):

the distance between 2 numbers on a number line; the answer to a subtraction problem

The difference between 6 and 4 is 2.

Associated terms:

digit



Definition and illustration (if applicable):

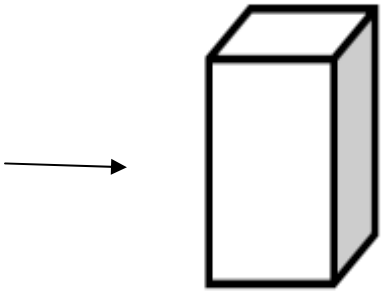
there are 10 digits; any one of the symbols, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9

Associated terms:

edge

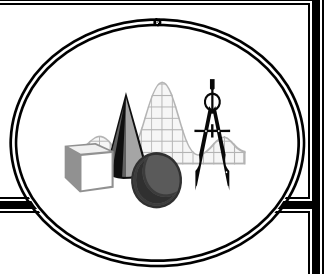
Definition and illustration (if applicable):

in a solid figure, a line segment where two faces of the solid meet



Associated terms: geometric solids

equal

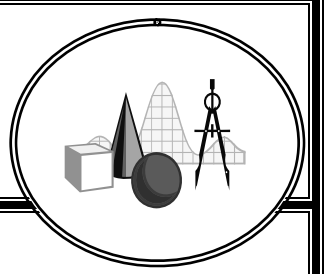


Definition and illustration (if applicable):

having the same amount or value

Associated terms:

equally likely outcomes

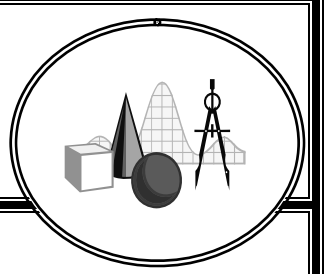


Definition and illustration (if applicable):

outcomes that have the same probability

Associated terms: probability

equation



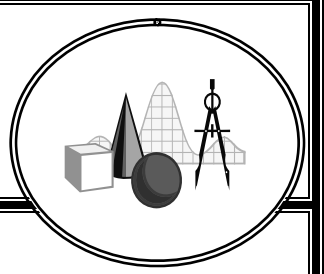
Definition and illustration (if applicable):

number sentence; a statement that two expressions or numbers are equal

3 + 5 = 8

Associated terms:

equivalent

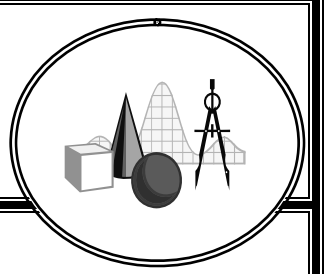


Definition and illustration (if applicable):

having the same value

Associated terms:

even number

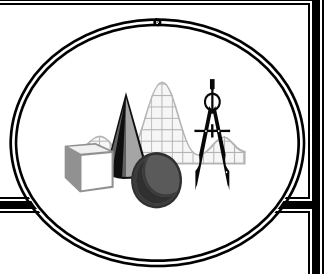


Definition and illustration (if applicable):

any number ending in 0, 2, 4, 6, or 8

Associated terms: odd number

event

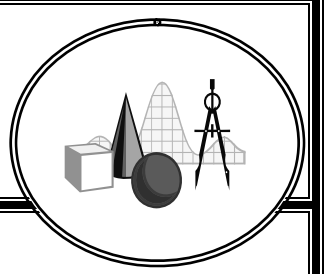


Definition and illustration (if applicable):

an outcome or set of outcomes of an experiment or situation; for example, getting a 3 is one possible event produced by a rolling a fair number cube

Associated terms: probability

experiment



Definition and illustration (if applicable):

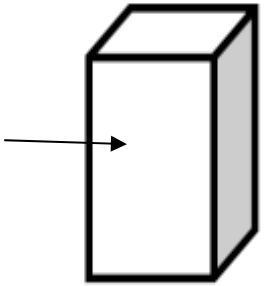
in probability, any activity involving chance

Associated terms: probability

face

Definition and illustration (if applicable):

a polygon that serves as a side of a solid

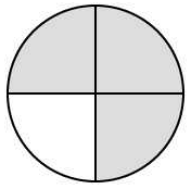


Associated terms: geometric solids

fraction

Definition and illustration (if applicable):

part of a group or part of a whole



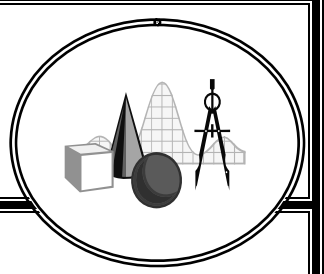
three out of four equal parts are shaded

three out of four dogs are spotted

Numerator ⟶ **3** ⟵ **Part**
Denominator ⟶ **4** ⟵ **Whole**

Associated terms:

geometric solids

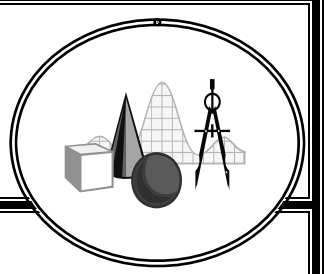


Definition and illustration (if applicable):

three-dimensional figures such as cone, pyramid, prism, cylinder

Associated terms:

identity properties



Definition and illustration (if applicable):

addition: if 0 is added to any number, the sum is the same as the given number

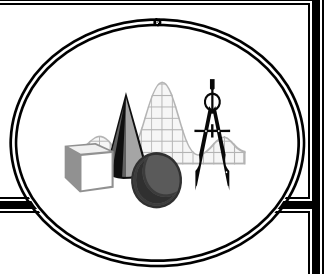
8+0 = 8

multiplication: if a given number is multiplied by 1, the product is the same as the given number

6 x 1 =6

Associated terms:

impossible (probability)

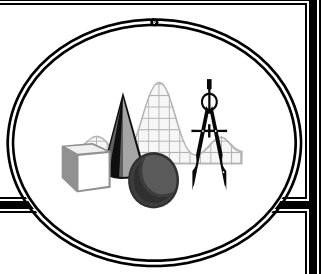


Definition and illustration (if applicable):

an event is impossible if it has a probability of 0

Associated terms: certain, probability

inverse operations



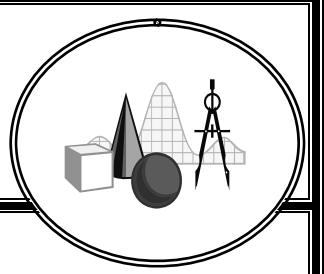
Definition and illustration (if applicable):

operations that undo each other; addition and subtraction are inverse operations; multiplication and division are inverse operations

Addition and subtraction are inverse operations.
Multiplication and division are inverse operations.

Associated terms:

line

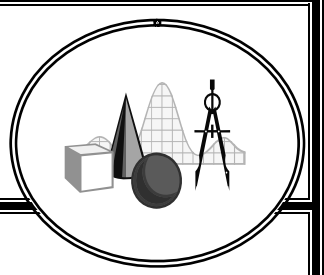


Definition and illustration (if applicable):

Line **has no definition; *described* as a set of points that goes on and on in both directions; has no endpoints; has 1 dimension**

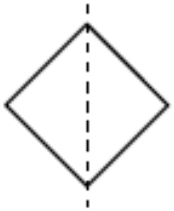
Associated terms: plane, point

line of symmetry



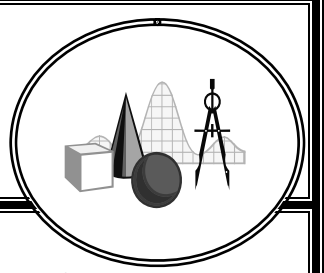
Definition and illustration (if applicable):

a line dividing a figure or an arrangement of objects into two parts that are mirror images of each other



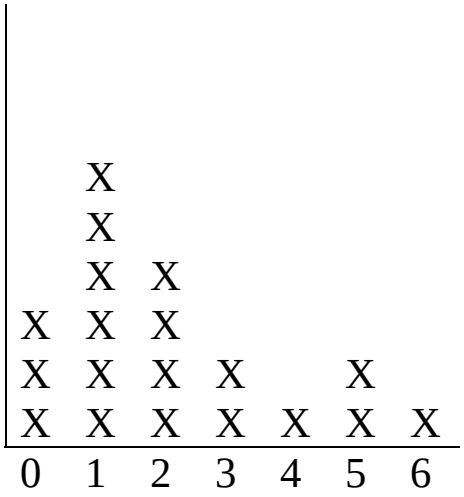
Associated terms: symmetry

line plot



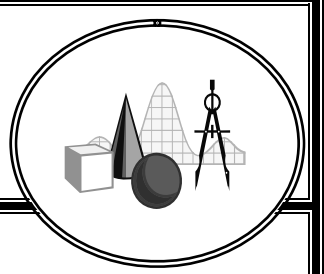
Definition and illustration (if applicable):
a type of graph used to display data; in a line plot, each piece of data is represented

Number of Pets Owned by Students in Mrs. Willis' Class



Associated terms: axis

line segment

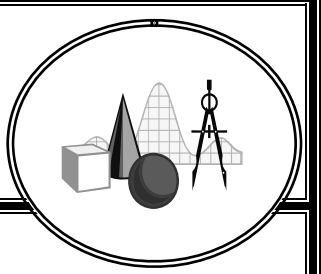


Definition and illustration (if applicable):

part of a line; line segment has two endoints

Associated terms:

mass

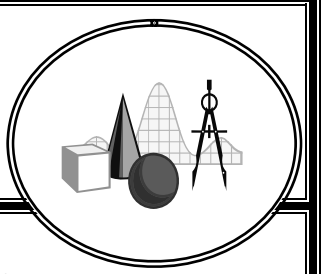


Definition and illustration (if applicable):

the amount of matter in an object; weight is determined by the pull of gravity on the mass of an object; mass of an object remains the same regardless of its location; weight of an object changes depending on the gravitational pull at its location

Associated terms:

mixed number



Definition and illustration (if applicable):

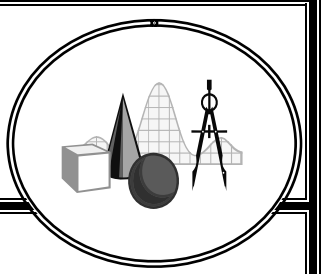
a quantity expressed as a number and a proper fraction

Whole number $5\frac{1}{2}$ **Fraction**

Mixed Number

Associated terms:

number sentence



Definition and illustration (if applicable):

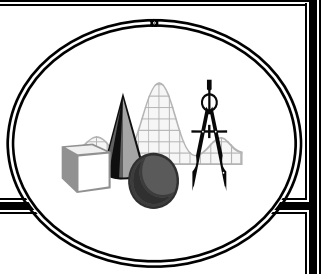
equation

3 + 4 = 7

8 - 2 = 6

Associated terms: equation

numeral

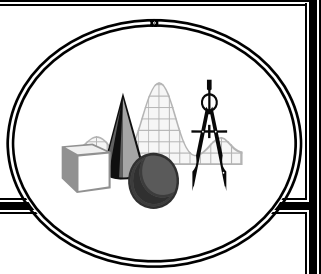


Definition and illustration (if applicable):

a symbol representing a number

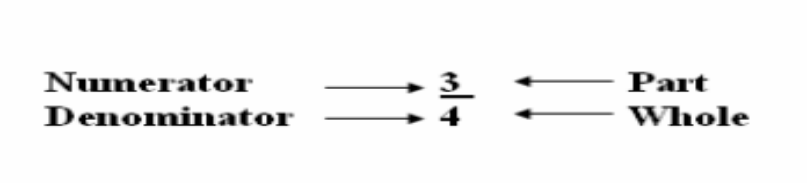
Associated terms:

numerator



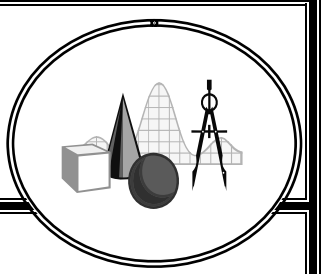
Definition and illustration (if applicable):

how many equal parts of the whole or set we have; the number of equal parts of the whole or set being considered



Associated terms: fraction

odd number

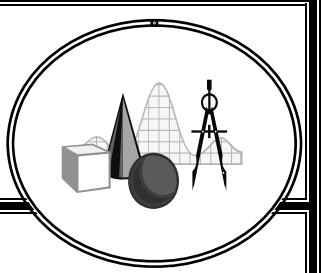


Definition and illustration (if applicable):

any number ending in 1, 3, 5, 7, or 9

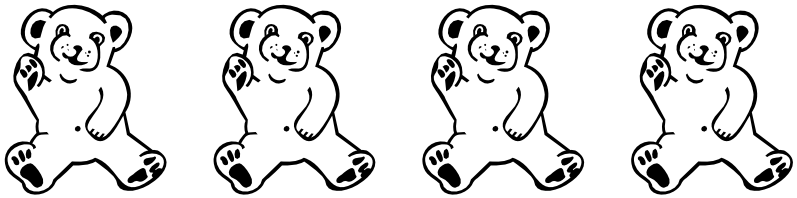
Associated terms: even number

ordinal number



Definition and illustration (if applicable):

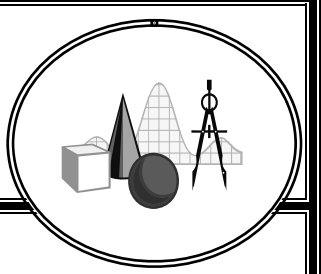
a number that names the place or position of an object in a sequence or set



first **second** **third** **fourth**

Associated terms: cardinal number

outcome (probability)

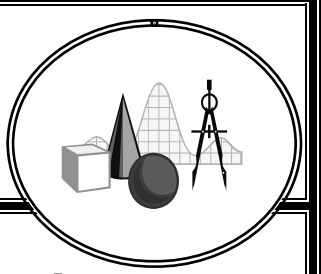


Definition and illustration (if applicable):

result of an experiment

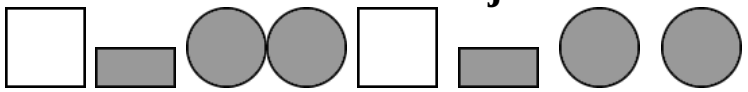
Associated terms: probability

pattern



Definition and illustration (if applicable):

numbers or objects that follow a repeating or growing rule

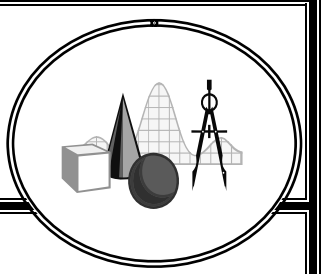


repeating pattern

growing pattern

Associated terms:

perimeter

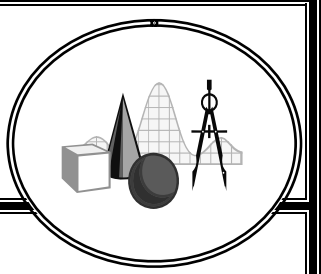


Definition and illustration (if applicable):

the distance around any two-dimensional figure

Associated terms:

picture graph



Definition and illustration (if applicable):

a data display that use pictures to represent the data

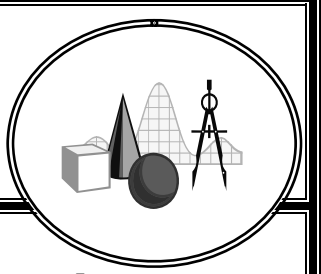
Sweaters Ordered

Size	Number Ordered
Small	
Medium	
Large	
Extra Large	

Key: = 3 sweaters.

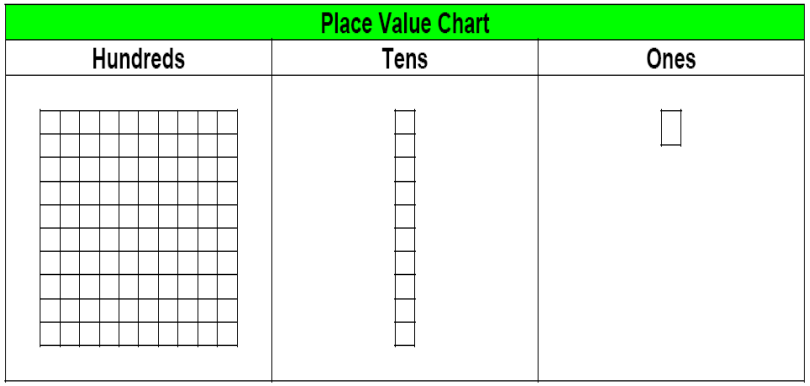
Associated terms:

place value



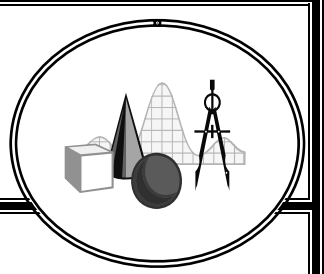
Definition and illustration (if applicable):

the value a digit represents depending on its place in the number



Associated terms:

plane

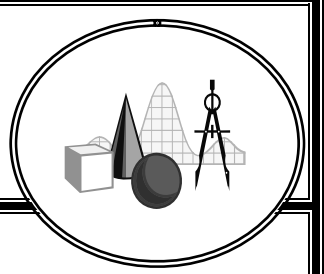


Definition and illustration (if applicable):

***Plane* has no definition; *described* as a flat surface; has 2 dimensions.**

Associated terms: line, point

plane figure

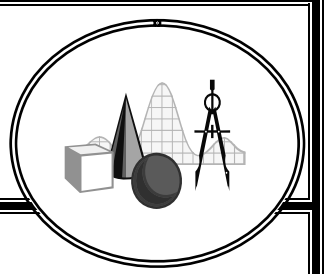


Definition and illustration (if applicable):

a figure that lies in a plane; a two-dimensional figure

Associated terms:

point

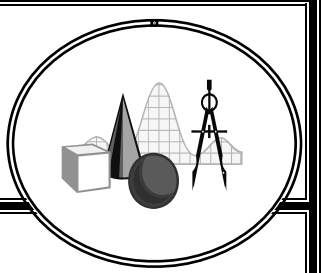


Definition and illustration (if applicable):

Point **cannot be defined; is described as an exact location; has no dimension**

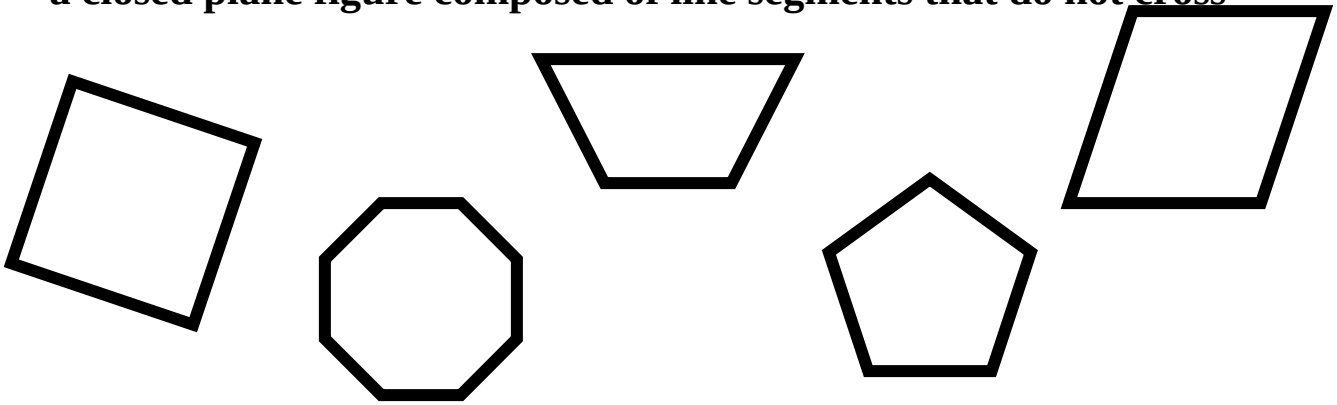
Associated terms: line, plane

polygon



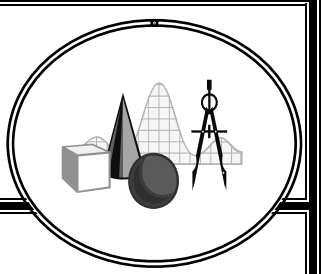
Definition and illustration (if applicable):

a closed plane figure composed of line segments that do not cross



Associated terms:

position

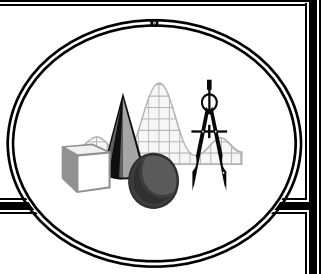


Definition and illustration (if applicable):

location of an object relative to another
(*above, below, next to, beside, near, far, close by, below, above, up, down*)

Associated terms:

probability

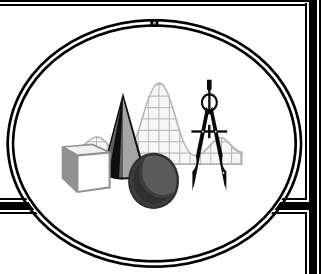


Definition and illustration (if applicable):

the chance of an event occurring

Associated terms:

product

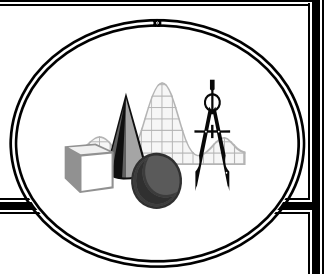


Definition and illustration (if applicable):

the answer in multiplication

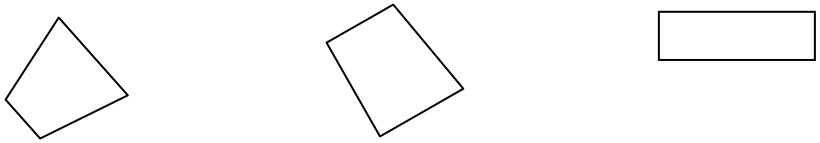
Associated terms:

quadrilateral



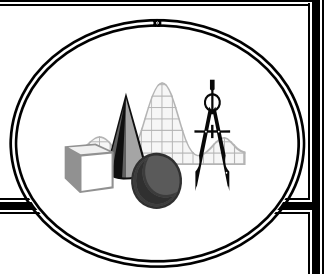
Definition and illustration (if applicable):

a polygon with 4 sides



Associated terms: polygon

quotient



Definition and illustration (if applicable):

the answer in division

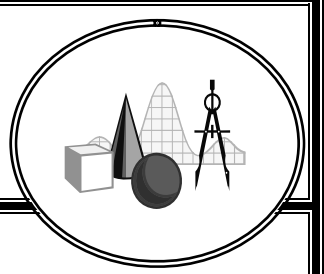
dividend ÷ divisor = quotient

quotient
divisor = dividend

$$\frac{\text{dividend}}{\text{divisor}} = \text{quotient}$$

Associated terms:

ray

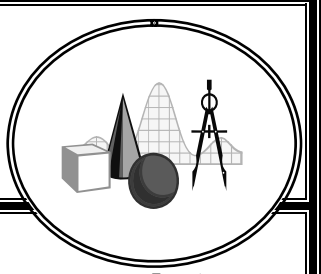


Definition and illustration (if applicable):

part of a line that starts at a point (the endpoint) and continues forever in one direction

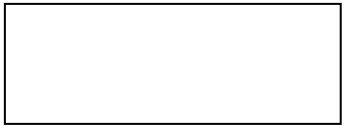
Associated terms: line

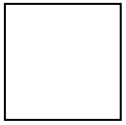
rectangle

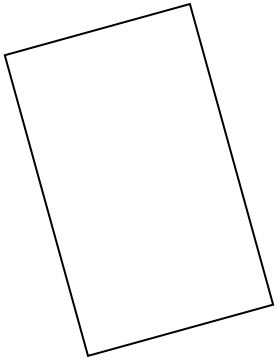


Definition and illustration (if applicable):

a quadrilateral with 4 right angles (all three shapes below are rectangles)







Associated terms: quadrilateral

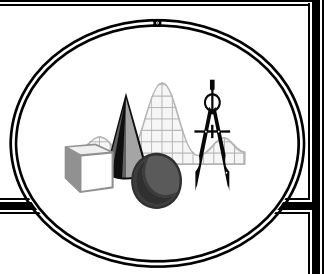
rectangular prism

Definition and illustration (if applicable):

a solid in which all 6 faces are rectangles

Associated terms: geometric solids

sample space

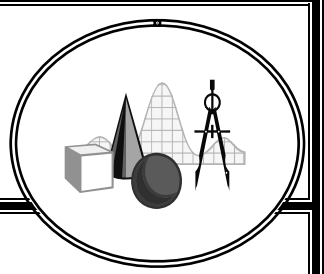


Definition and illustration (if applicable):

all possible outcomes of an experiment

Associated terms: probability

set



Definition and illustration (if applicable):

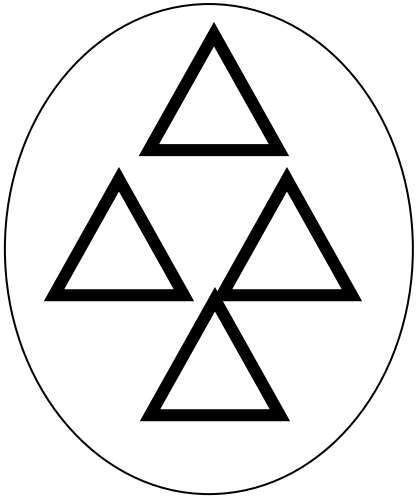
a collection of distinct items or elements

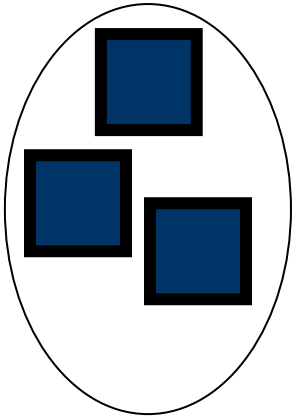
Associated terms:

sort

Definition and illustration (if applicable):

classify



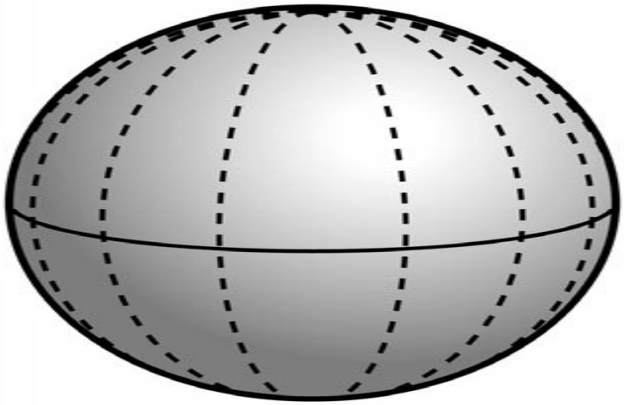


Associated terms: classify, attribute

sphere

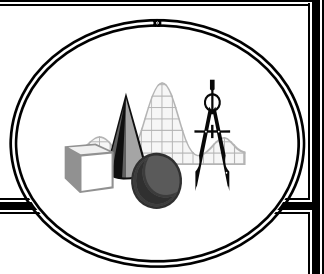
Definition and illustration (if applicable):

a three-dimensional object with all of its points the same distance from its center



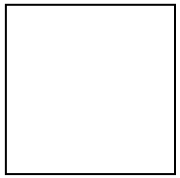
Associated terms: geometric solids

square



Definition and illustration (if applicable):

a rectangle with all sides congruent



Associated terms: quadrilateral, rectangle

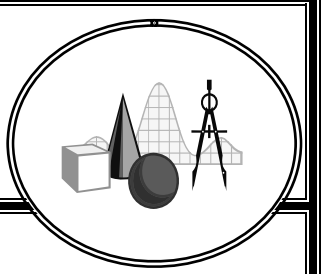
square pyramid

Definition and illustration (if applicable):

a solid with a square base with 4 sloping triangular faces that share a vertex

Associated terms: geometric solids

standard form of a number



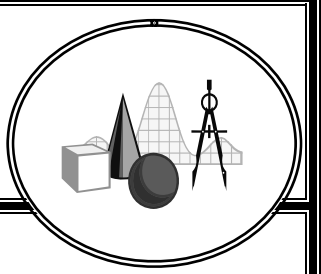
Definition and illustration (if applicable):

a method of writing numbers

The standard form for the number
four *thousand, three hundred twenty-four* is
***4,324*.**

Associated terms: number

statistics

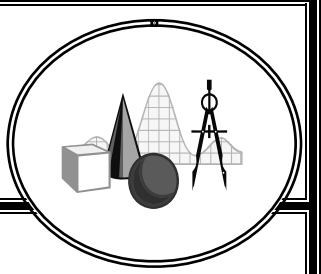


Definition and illustration (if applicable):

the collection, organization, and analysis of data

Associated terms:

sum



Definition and illustration (if applicable):

the answer in addition

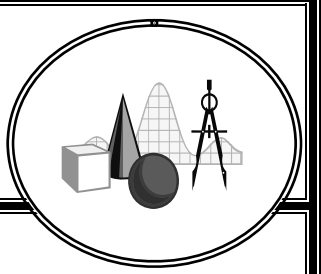
Example:

3 + 2 = 5

addend + addend = sum

Associated terms:

survey

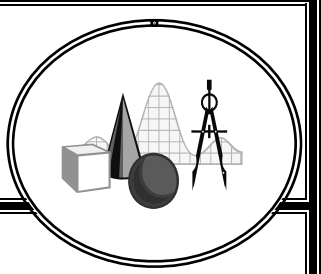


Definition and illustration (if applicable):

the collection, organization, and analysis of data

Associated terms: statistics

table



Definition and illustration (if applicable):

data organized using rows and columns

Price List for Copies

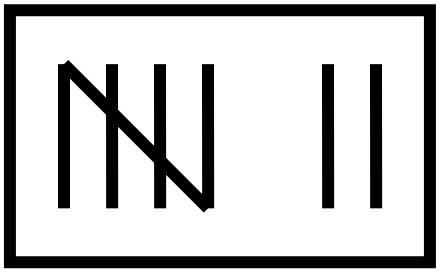
Size	Copy Price
Small	$5
Medium	$10
Large	$20

Associated terms: array

tally

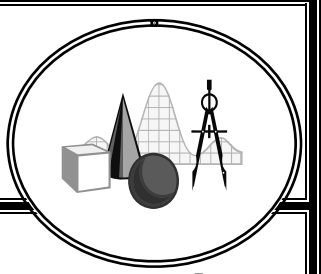
Definition and illustration (if applicable):

a method of collecting data



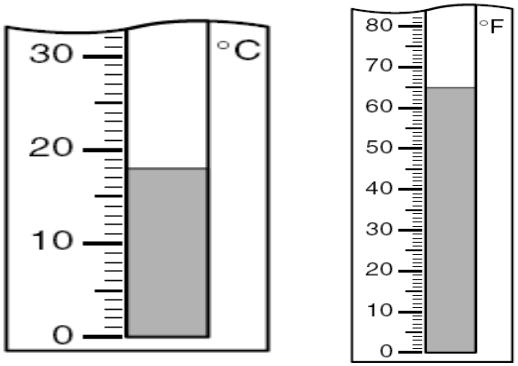
Associated terms:

thermometer



Definition and illustration (if applicable):

an instrument used to measure temperature in degrees; temperature can be measured in degrees Fahrenheit or degrees Celsius

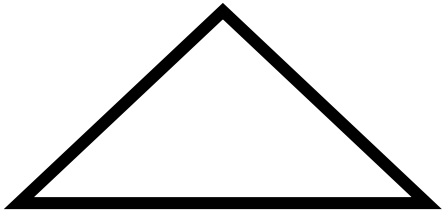


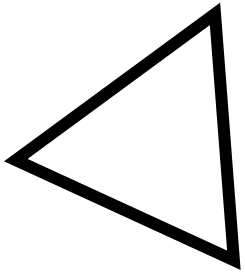
Associated terms:

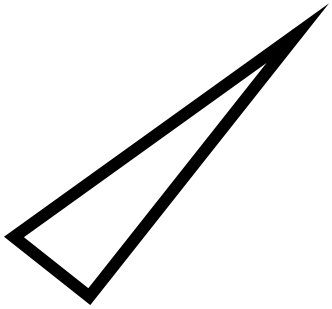
triangle

Definition and illustration (if applicable):

A polygon with 3 sides





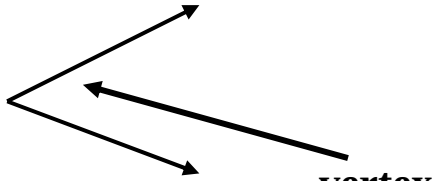


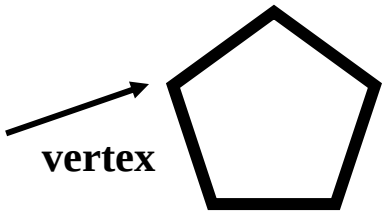
Associated terms: polygon

vertex

Definition and illustration (if applicable):

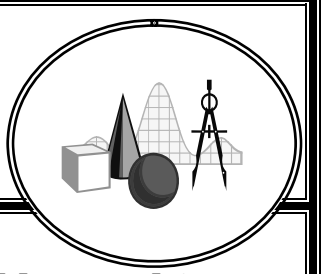
The point of intersection of the 2 rays that comprise an angle; the point of intersection of 2 adjacent line segments that comprise a polygon





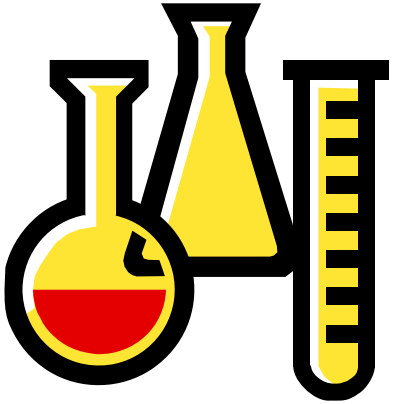
Associated terms:

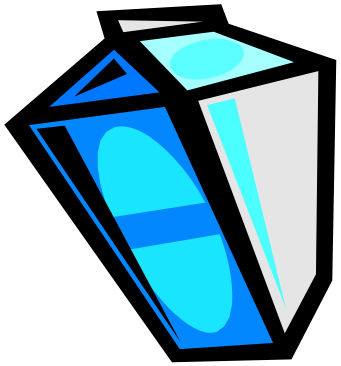
volume



Definition and illustration (if applicable):

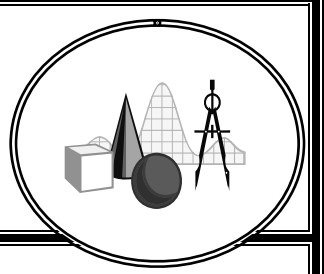
the amount a container can hold; the amount of space occupied by an object





Associated terms:

weight

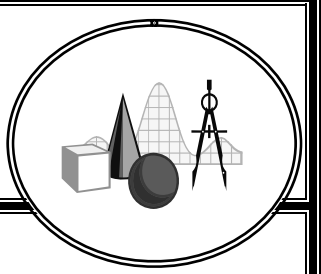


Definition and illustration (if applicable):

weight is determined by the pull of gravity on the mass of an object; mass of an object remains the same regardless of its location; weight of an object changes depending on the gravitational pull at its location

Associated terms: mass

whole numbers



Definition and illustration (if applicable):

a number from the set {0, 1, 2, 3…}

Associated terms: