A List of

Mathematical

Words and Phrases

[Version 2.0]

Not included in this selection of about 2000 words and phrases, are all the number words (except for a few special ones) and all fractions.
Similarly, only the more usual shapes are listed. While many, but not every, possible unit of linear measure is included, compound measures are not.
Spellings are UK English *(metre rather than meter etc.)*

at the back -

Table I   lists the Greek alphabet
Table II   lists the SI prefixes and their values

We should be glad to be told of errors and omissions.

A

A P R
abacus
Abelian group
abscissa
absolute convergence
absolute difference
absolute error
absolute unit
absolute value
absolute zero
abstract algebra
abundant number
acceleration
account
accuracy
Achilles and the tortoise
acnode
acre
actuary
acute angle
acute triangle
ad infinitum
add
addend
addition
addition formula
additive identity
additive inverse
additive number system
adjacent angles
adjacent edges (*or* sides)
adjunction
aggregrate
affine
aleph null
algebra
algebraic fraction
algebraic number
algorithm
alidade
aliquant part
aliquot part
alpha
alphametics
alternate angle
alternate segment
alternating group
alternating series
altitude *(of a shape)*
ambiguous case

amicable pair
amplitude
amount
analogue
analysis
analysis situs
analytic engine
analytic geometry
anchor-ring
angle
angle at the centre
angle bisector
angle in a segment
angle in a semicircle
angle of declination
angle of depression
angle of elevation
angle of repose
angle properties of a circle
angle sum
angle, vertex
angstrom
angular velocity
anharmonic ratio
annual
annual percentage rate
annuity
annular
annulus
annum
answer
ante meridiem (a.m.)
anticlockwise
antilogarithm
antipodal points
antiprism
AP
aperiodic
apex
aphelion
apogee
Apollonius' circle
Apollonius' theorem
apothecaries measure
apothem
appreciate
approximate
APR
Arabic numerals
arc
arccos
Archimedean solid

Archimedes' spiral
arcsin
arctan
are *(unit of area)*
area
Argand diagram
argument
arithmetic
arithmetic mean
arithmetic progression
arithmetic series
arm of an angle
array
arrow diagrams
arrowhead
ascending
assets
assign
associative
assumption
asterithm
astroid
astronomical unit
asymmetric
asymptote
atto-
augend
automorphic number
auxiliary circle
average
avoirdupois
axes
axiom
axis
axis of rotation
axis of symmetry
azimuth

B

Babylonian number system
back bearing
balance
ballistics
bar *(as a unit)*
bar *(in logarithms)*
bar characteristic
bar chart *or* graph
barrel *(as a shape)*
barrel *(as a unit)*

base *(and index)*
base *(in number)*
base *(of a shape)*
BASIC
basic wage
beam compass
bearing
bench marks
beta
biannual
biased
bicimal
biennial
bijection
bilateral symmetry
billion
bimodal
binary number
binary operation
binomial
binomial distribution
binomial theorem
biometry
biquadratic
bisect
bisector
bit
bivariate
block graph
BODMAS
bonus
Boolean algebra
border patterns
boundary
bounds
box and whisker plot
boxplot
braces
brachistochrone
brackets
breadth
Brianchon's theorem
bridges of Konigsberg
Brigg's logarithms
Brocard's points
Buffon's problem
bushel
buying price
byte

C

C and C++
C G S System
calculate
calculator
calculus
calendar
calibrate
calorie
cancel
cancellation
cap *(in set notation)*
cap *(of a sphere)*
capacity
carat
cardinal numbers
cardinal points *(of compass)*
cardioid
casting out nines
Cartesian coordinates
Cartesian product
category
categorical data
catenary
Cauchy's test
caustic
Celsius degree
Celsius scale
census
cental
centesimal
centi-
centigrade *(angle)*
centigrade *(temperature)*
centilitre
centillion
centimetre
central tendency
centre
centre of enlargement
centre of rotation
centre of symmetry
centred-polygon numbers
centroid
certain
certainty
Ceva's theorem
chain
chaining line
chain rule
chance

changing the subject
characteristic
chi
chord
circle
circle, great
circle, small
circular cone
circular functions
circular paraboloid
circumcentre
circumcircle
circumference
circumscribe
circum-sphere
cissoid of Diocles
class
class interval
class limits
clinometer
clock arithmetic
clockwise
closed set
closed curve
closed interval
coaxial circles
codomain
coefficient *(in algebra)*
coefficient *(in science)*
co-interior angles
collinear
column
column graph
column matrix
column vector
combined events
combined probabilities
combination
commensurable
commission
common denominator
common difference
common divisor
common factors
common fractions
common logarithms
common multiple
common ratio
common tangent
commutative
compass *(directions)*
compass *(drawing instrument)*

compass and traverse
complement *(of an angle)*
complement *(of a set)*
complementary addition
complementary angles
complementary ratios
complementary set
complete quadrangle
complete quadrilateral
complete the square
complex fraction
complex numbers
component
composite function
composite number
composite shape
compound event
compound interest
compound measures
comptometer
computation
computer
concave
concave polygon
concentric circles
concurrent
concylic
conchoid
conchoid of Nicomedes
conditional equation
conditional probability
cone
confidence interval
congruent *(in number)*
congruent *(in shape)*
conic
conical
conic sections
conjecture
conjugate
conjugate angles
connective
consecutive numbers
conservation
consistent equations
constant
construction
contingency table
continued fraction
continued product
continuity
continuous

continuous variable
continuum
contrapositive
convention
convergent series
convergent lines
converse
conversion factors
conversion graph
conversion scale
convex polygon
convex polyhedron
coordinates
coplanar
coprime
corner
corollary
correct to
correlation
correspondence
corresponding angles
corresponding points
cos
cosecant
cosine
cosine curve
cosine formula
cosine rule
cost price
cotangent
count
counter clockwise
counter example
counting numbers
counting on
counting out problem
Cramer's rule
crescent
criteria
critical path
cross-multiply
cross-section
cross-staff
cryptarithm
cube *(number)*
cube *(shape)*
cube root
cubic
cubic *(volume)*
cubic equation
cubic function
cubit

cuboid
cumulative frequency
cumulative frequency diagram
cup
currency
curvature
curve
curve of constant breadth
curve of distribution
curve of pursuit
curved surface
curvilinear
cusp
cybernetics
cycle
cyclic
cyclic formulas
cyclic group
cyclic permutation
cyclic quadrilateral
cyclic variations
cycloid
cyclotomy
cylinder

D

D'Alembert's test
data
database
datum
day
DeMoivre's theorem
De Morgan's law
deca-
decade
decagon
decahedron
decametre
decay
deceleration
decem-
deci-
decibel
decilitre
decimetre
decimal
decimal fraction
decimal numbers
decimal places
decimal point
decimal system

decimetre
decomposition
decreasing
Dedekind cut
deduce
deduct
deduction
deficient number
definite integral
definition
degenerate conic
degree *(angle)*
degree *(temperature)*
degree of a polynomial
degree of a term
degree of an equation
deka -
Delian problem
delta
deltahedron
deltoid
denary
denominator
density
denumerable
dependent events
dependent variable
depreciation
depression
depth
derangements
derivative
derived funtion
derived units
Desargues' theorem
descending
determine
determinant
development of surface
deviation
diagonal
diagonal matrix
diagonal scales
diameter
Dido's problem
difference
difference of two squares
difference engine
differentiation
differential calculus
differential coefficient
digit

digit sum
digital
digital invariants
digital root
dihedral angle
dilation
dimension
Diophantine analysis
direct
direct common tangent
direct isometry
direct proof
direct proportion
direct route
directed line
directed numbers
direction
director circle
directrix
discontinuity
discount
discrete
discrete data
discrete variable
discriminant
disjoint
disjunction
dispersion
displacement
disprove
dissection
distance
distribution
distributive law
diverge
divergent lines
divergent series
divide
dividend
dividers
divisible
divisibility tests
division
divisor
dodeca-
dodecagon
dodecahedron
domain
dominoes
dot product
double
double time

doubling sequence
dozen
dp *or* d.p.
dram
drop a perpendicular
dry measures
dual
duodecagon
duodecimal
duplication problem
dyadic
dynamics

E

e
eccentric circles
eccentricity
ecliptic
edge
Egyptian numbers
eight
eighth *(a fraction)*
eighth *(in order)*
element
elements of geometry
elevation *(angle of)*
elevation *(in a drawing)*
elimination
ellipse
ellipsoid
empirical
empty set
enantiomorphic
end points
ends
enlargement
enlargement matrix
enumerate
envelope
epicycloid
epsilon
epitrochoid
error
equal
equal addition
equally likely
equality
equation
equation of a line
equations of uniform motion
equator
equiangular

equiangular spiral
equidistant
equilateral
equilateral triangle
equilibrium
equinox
equipotent
equivalence
equivalent
equivalent fractions
equivalent ratios
Eratosthene's sieve
error
escribed circle
estimate
eta
Euclid's algorithm
Euclidean geometry
Euclidean space
Euler points
Euler square
Euler's formula
Euler's constant
evaluate
even number
even chance
evenly even number
evens
event
even vertex
evolute
evolution
exa-
excentre
exchange rates
exclusive events
excosecant
expand
expansion
expected value
experimental probability
explicit
exponent
exponential curve
exponential equation
exponential function
exponential series
expression
exsecant
exterior angle
extracting a root
extrapolate

F

f(*x*)
F(*x*)
F(*x, y*)
F P S system
face *(in topology)*
face *(of a shape)*
face diagonal
factor
factorial
factorize
factors
factor theorem
Fahrenheit scale
fair
fallacy
false
farad
fathom
feet
femto-
Fermat's last theorem
Fermat's problem
Fibonacci sequence
field
fifteen puzzle
figurate numbers
finger reckoning
finite
finite arithmetic
finite differences
finite set
first
flexagon
floating point
flow chart
fluid measure
focus
foot
foot of a perpendicular
formula
forty
four
four 4's problem
fourth
four colour problem
Fourier series
fractal
fraction
fractional change
fraction point

frame of reference
free vector
French curves
frequency
frequency diagram
frieze pattern
frustrum
frustum
full period prime
full turn
function
fundamental theorem of arithmetic
furlong

G

g
G M T
gallon
game theory
gamma
Gaussian integer
Gb
gelosia
Genaille's rods
general angle
generalize
generator
geoboard
geodesic line
geodesy
geodetic
geoid
geometric mean
geometric progression
geometric series
geometry
giga-
gill
glide reflection
glissette
global maximum
global minimum
gnomon
Goldbach's conjecture
golden ratio
golden rectangle
golden section
googol
googolplex
GP
grad
grade

gradient
Graeco-Latin square
grain
gram
graph
gravitational acceleration
great circle
greater than
greatest common divisor
greatest common factor
Greek number system
Greenwich meridian
grid references
gross *(a number)*
gross *(of a quantity)*
group
grouped data
growth

H

half
half-angle formula
half line
half turn
Hamiltonian walk
happy numbers
harmonic mean
harmonic progression
Harshad numbers
haversine
hcf
hectare
hecto-
hectogram
hectolitre
hectometre
height
helix
hemisphere
hendeca-
hept-
heptagon
heptahedron
Hero's formula
Heronic triples
hertz
heuristic
hex
hexadecimal numbers
hexaflexagon
hexagon
hexagonal numbers
hexagram

hexahedron
hexomino
hexiamonds
highest common factor
Hindu-Arabic numbers
hire purchase
histogram
homogeneous
Hooke's law
horizontal
hour
hyperbola
hyperbolic secant
hyperbolic spiral
hyperboloid
hyperspace
hypocycloid
hypotenuse
hypothesis
hypotrochoid

I

i
icon
icosahedron
identical
identification numbers
identity
identity element
identity mapping
identity matrix
identity transformation
iff
illusions
image
imaginary number
imaginary root
imperial units
implicit
implicit function
implicit relation
improper fraction
incentre
inch
incidence matrix
incircle
inclined plane
included angle
inclusive
income
income tax
incommensurable

increasing
increment
indefinite integral
independent equations
independent events
independent variable
indeterminate equation
index laws
index notation
index number
indices
indirect proof
induction
inequality
inequation
inference
infinite
infinite series
infinite set
infinitesimal
infinitesimal calculus
infinity
infix notation
inflation
inflection
inflexion
inner product
inscribed circle
inscribed polygon
in-sphere
instalment
integer
integral calculus
integration
intercept
interest
interior vertex angle
international date line
interpolate
interquartiles
interquartile range
intersect
intersecting chords
intersection *(of sets)*
interval
intransitive
intuitive
invalid
invariable
invariant
inverse
inverse case

inverse cosine
inverse element
inverse function
inverse matrix
inverse operation
inverse proportion
inverse sine
inverse square law
inverse tangent
inverse variation
inversion
inversely
investigation
involute
involution
iota
irrational number
irreducible fraction
irreducible polynomial
irregular polygon
isochronous
isogon
isogonal
isometric axes
isometric drawing
isometic paper
isometric projection
isometry
isomorphic
isosceles trapezium
isosceles triangle
iterate
iteration
iterative procedure

J

j
joint variation
Jordan curve
joule

K

kappa
Kaprekar's constant
Kb
kelvin
Kelvin scale
Kendall's rank order coefficient
Kepler's laws
kg
kilo

kilocalorie
kilocycle
kilogram
kilojoule
kilolitre
kilometre
kilowatt
kite
Klein bottle
km
knot *(in space)*
knot *(in speed)*
Konigsberg bridge problem
kurtosis

L

L *or* l
lambda
Lami curves
Latin square
latitude
latus rectum
law of large numbers
laws of indices
lcd
lcm
leading diagonal
leap year
least common denominator
least common multiple
least squares method
left-handed system
left identity
Leibnitz' theorem
lemma
lemniscate of Bernoulli
length
leptokurtic
less than
level
Levy's conjecture
light-year
like terms
likely
limacon of Pascal
limit
line
linear
linear algebra
linear equation
linear graph
linear interpolation

linear programming
linear relation
linear scale factor
linear transformation
line graph
line of best fit
line segment
line symmetry
link
Lissajous figures
literal equation
litre
local maximum
local minimum
locus
logarithm
logarithmic function
logarithmic scale
logarithmic spiral
logic
Logo *(computer language)*
logo *(symbol)*
long division
longitude
look-see proof
lower bound
lower quartile
lowest common denominator
lowest common multiple
lowest terms
loxodrome
Lucas sequence
lune

M

m
Mach number
Maclaurin's theorem
magic square
magnitude
main diagonal
major arc
major axis
major sector
major segment
manifold
mantissa
many-to-one correspondence
mapping
mapping diagram
mark-up

Mascheroni construction
mass
matrices
matrix
matrix addition
matrix multiplication
matrix transformations
maximum
Mayan numbers
Mb
mean
mean deviation
mean value theorem
measure
measures of central tendency
median *(in statistics)*
median *(of a triangle)*
median triangle
mediator
mega-
member
mensuration
Menelaus' theorem
meridian
Mersenne primes
method of least squares
metre
metric system
micro-
mid-ordinate rule
midpoint
mile
milli-
millibar
milligram
millilitre
millimetre
million
minim
minimum
minor arc
minor axis
minor sector
minor segment
minuend
minus
minute *(angle)*
minute *(= small)*
minute *(time)*
mirror line
mirror symmetry
mixed number

Mobius strip or band
mod
modal class
mode
modelling
modulo arithmetic
modulus *(of a number)*
modulus *(complex number)*
Monte Carlo methods
month
more than
mosaic
motif
moving average
mu
multifoil
multigrade
multinomial
multiple
multiple angle formula
multiplicand
multiplication
multiplicative identity
multiplicative inverse
multiplier
mutually exclusive events

N

n
n!
!n
nano-
Napier's bones or rods
Naperian logarithms
natural logarithms
natural numbers
nautical mile
nearest
necessary
necessary and sufficient
negative
negative angle
negative correlation
negative gradient
negative index
negative numbers
negatively skewed
negative vector
needle problem
nephroid
nested intervals
nested multiplication

net *(in money and weight)*
net *(of a shape)*
network
newton
Newton's laws
Newton's method
nilpotent
nine
nine-point circle
node
nominal data
nominal value
nomogram
nona-
nonagon
non-collinear points
non-convex polyhedron
non-euclidean geometry
non-periodic
normal curve
normal distribution
normal *(to a curve)*
normal *(to a surface)*
notation
nought
nu
null set
null vector
number line
number patterns
number theory
numeral
numerator

O

object
oblate
oblique *(shape)*
oblong
obtuse angle
occurence
oct-
octagon
octahedron
octal system
octant
odd numbers
odd vertex
odds
offset
ogee
ogive
ohm

omega
omicron
one
one-sided surface
one-to-one correspondence
one-to-many correspondence
open interval
operation
operator
opposite angles
opposite edge
opposite isometry
opposite sides *or* edges
orbit
order *(of a group)*
order *(of a matrix)*
order *(of a node)*
order *(of a vertex)*
order *(of symmetry)*
order of magnitude
order of operations
order of rotational symmetry
ordered pair
ordinal numbers
ordinate
origin
orthocentre
orthogonal
orthogonal circles
orthogonal projection
orthogonal vectors
ounce
outcomes
outlier
overheads
overtime

P

P( ) *or* Pr( )
palindromic number
pandigital
pantograph
parabola
parabola of safety
parabolic motion
parabolic segment
parabolic space
parabolic spiral
paraboloid

paradox
parallel
parallel ruler
parallel vectors
parallel postulate
parallelepiped
parallelogram
parameter
parametric equations
parenthesis
parity
parsec
partial derivative
partial differentiation
partial fractions
partial product
partial sum
partition *(a number)*
partition *(as division)*
Pascal's triangle
path
pattern
Pearson's product moment coeff.
Peaucellier's linkage
peck
pedal curve
pedal equation
pedal line
pedal triangle
pencil
penny
pennyweight
pent-
pentadecagon
pentafoil
pentagon
pentagon numbers
pentagram
pentahedron
pentomino
per annum
per cent
per mil
percentage
percentage change
percentage error
percentage fraction
percentage point
percentile
perfect cube
perfect numbers
perfect square

pericycloid
Perigal's dissection
perigee
perigon
perihelion
perimeter
period
periodic decimals
periodic function
periodicity *(of a curve)*
periodic tiling
periodic variations
permutation
perpendicular
perpendicular bisector
perpendicular distance
perpendicular height
perpendicular vectors
perpetual calendar
persistance *(of a number)*
perspective
phase
peta-
phi
pi
Pick's theorem
pico-
pictogram
pie chart
pinboard
pint
pitch
place-holder
place-value
plan
plan view
plane
plane curve
plane geometry
plane symmetry
plane table
plane vector
planimeter
Platonic solids
platykurtic
Playfair's axiom
plot
plumb-line
plus
point
point symmetry
point of inflection

points of the compass
Poisson's ratio
polar axis
polar coordinates
polar zenithal projection
pole *(in navigation)*
pole *(in polar coordinates)*
polite numbers
polycubes
polygon
polygon numbers
polygrams
polyhedron
polyhexes
polyiamonds
polynomial
polyomino
population
population pyramids
position
position vector
positive
positive angle
positive correlation
positive numbers
positively skewed
possibility
possible
postfix notation
poslt meridiem (p.m.)
postulate
pound *(in money)*
pound *(in weight)*
poundal
power
practice
prefix
prefixes
premise
premium
pressure
primary data
prime
prime factors
prime numbers
primitive
principal
principal diagonal
principle
prism
prismatoid
prismoid

probability
probability scale
probability space
probable
produce (a line)
product
profit
program
progression
projectile
projection
projective geometry
proof
proof by contradiction
proof by exhaustion
proof by induction
prolate
pronumeral
proper divisors
proper factors
proper fraction
proper subset
properties
proportion
proposition
pro rata
protractor
pseudosphere
psi
Ptolemy's theorem
pyramid
Pythagoras' theorem
Pythagorean triplets

Q

Q E D
quad-
quadrable
quadrangle
quadrant
quadratic equation
quadratic function
quadrature
quadric
quadrennial
quadrilateral
quadrillion
quadrinomial
quadrivium
qualitative data
quantitative data

quart
quaternions
quartic
quartile
quin-
quinary system
quincunx
quinquangle
quintal
quintic
quintillion
quire
quota sampling
quotient
quotition
quinquangle

R

radial survey
radian
radical
radicand
radius
radius vector
radix
raise
RAM
Ramanujan's formula
random
random sample
random sequence
random variations
range *(in statistics)*
range *(of a function)*
range *(of values)*
rangefinder
rank
rate
rate of change
rate of exchange
rate of increase
rate of interest
ratio
rational numbers
rationalize
raw data
ray
ready reckoner
real numbers
real variable
ream
reciprocal

reciprocal bearing
reciprocal function
record
recreational mathematics
rectangle
rectangle numbers
rectangular coordinates
rectangular hyperbola
rectangular prism
rectangular axes
rectangular coordinates
rectangular hyperbola
rectification
rectilinear shape
recurring decimal
recursive sequence
reduced fraction
reducible
reductio ad absurdum
reduction formula
redundant number
re-entrant angle
re-entrant polygon
reference point
reflection
reflective symmetry
reflex angle
reflexive
region
regular polygon
regular polyhedron
regular tiling
relation
relative error
relative frequency
relative prime
relative velocity
relativity
remainder
remainder theorem
repeated root
repeating decimal
repetend
resection
representative sample
rep-tiles
repunits
residue
resolve
resultant
resultant vector
retail prices index

retardation
reverse percentage
reverse Polish notation
revolution
revolve
rho
rhombohedron
rhomboid
rhombus
rhumb line
rider
right
right angle
right-angled triangle
right circular cone
right cone
right prism
right pyramid
right-handed system
ring
rod
Rolle's theorem
ROM
Roman numerals
root
root mean square
roots of an equation
roots of unity
rotation
rotational symmetry
rotation matrix
roulette
rounding
rounding error
route matrix
row
row matrix
row vector
RPI
rule of three
ruled surface
ruler
ruled curve

S

sf *or* s.f.
S.I.
salary
sample
sample space
sampling error
sand reckoner
Sarrus' rule

satisfy *(conditions)*
satisfy *(an equation)*
scalar
scalar multiplication
scalar product
scalar quantity
scale *(markings)*
scale drawing
scaled ruler
scale factor
scalene triangle
scatter diagram
scattergram
Schlegel diagram
s'choty
scientific notation
score
scruple
seasonal variations
secant
secant *(to a circle)*
secant *(trigonometry)*
sech
second *(of angle)*
second *(in order)*
second *(of time)*
secondary data
secondary diagonal
section
sector *(of a circle)*
sector *(of a sphere)*
secular variations
segment *(of a circle)*
segment *(of a sphere)*
selection
self-evident
self-inverse
selling price
semicircle
semi-interquartile range
semi-latus rectum
semi-regular polyhedron
semi-regular tiling
senary
sense
sept-
septagon
septenary
septennial
septillion
sequence
series

set
set square
set theory
seven
sex-
sexagesimal
sexagesimal system
sextant
sextillion
shape
share
sharing
shear
shift numbers
short division
short radius
S I
side
sidereal day
sidereal year
sieve
sieve of Eratosthenes
sigma
sigmoid
sign
signed numbers
significant *(in statistics)*
significant figures
similar fractions
similar *(shapes)*
similar terms
similar triangles
similitude
simple closed curve
simple harmonic motion
simple interest
simple proportion
simplex
simplify
Simpson's rule
simulation
simultaneous equations
sin
sine
sine bar
sine curve
sine rule
singular matrix
sinh
sinusoidal
six
skew

skew lines
skewed distribution
slant
slant edge
slant height
slide
slide rule
slope
small circle
smaller than
software
SOHCAHTOA
solar day
solid
solid angle
solid of revolution
solidus
solution
solution set
solve
solving a triangle
Soma cubes
soroban
space
space diagonal
Spearman's rank order coeff.
speed
sphere
spherical
spherical cap
spherical coordinates
spherical triangle
spherical trigonometry
spheroid
spherometer
spinode
spiral
spread
spreadsheet
square *(in area measures)*
square *(in number)*
square *(in shape)*
square numbers
square root
squaring the circle
stade
standard deviation
standard error
standard (index) form
standard score
standard time
standing wave

star polygon
statement
stationary point
stationary value
statics
statistics
statute mile
Steiner's problem
stem and leaf plot
stencil
steradian
stereographic projection
Stirling's theorem
stochastic
stone
straight
straight angle
straight-edge
straight line
stratified sampling
stretch
strip patterns
strophoid
structure
suan pan
sub-factorial
subfield
subgroup
subject of a formula
sub-multiple
subnormal
subscript
subset
substitution
subtangent
subtended angle
subtraction
subtrahend
sufficient
sum
summation
superannuation
superpose
superscript
superset
supplement
supplementary angle
surd
surface
survey
surveying
syllogism

symbols
symmetric
symmetric difference
symmetric equation
symmetric relation
symmetry
symmetry, line
symmetry, point
symmetry, rotational
synthesis
systematic sampling
Systeme International

T

T-score
T-square
tacheometry
tacnode
tally
tally chart
tan
tanh
tangent *(to a curve)*
tangent *(in trigonometry)*
tangent curve
tangram
tau
Taylor's theorem
temperature
template
tends to infinity
tera-
tercimal
term *(in algebra)*
term *(of a sequence)*
terminal velocity
terminating decimal
ternary
tessellation
tetra-
tetragon
tetrahedron
tetromino
theodolite
theorem
theoretical probability
theory
theta
thickness
thousand
three-dimensional
three-D

tiling
time
time interval
time series
time-and-a-half
times
to the nearest '…'
tolerance
ton
tonne
topology
topologically equivalent
torque
torus
total
towers of Hanoi
trace
trailing diagonal
trajectory
trammel
transcendental
transcendental function
transcendental numbers
transfinite
transformation
transformation geometry
transformation of formula
transitive
translation
transpose
transversal
transverse common tangent
trapezium
trapezium rule
trapezoid
travel graph
traversable
traverse
tree *(in topology)*
tree diagram
trefoil
trend
trend line
tri-
trial
trial and error
trial and improvement
triangle
triangle numbers
triangulation
trichotomy
trigonometric curve

trigonometric function
trigonometric indentity
trigonometric ratio
trigonometric series
trigonometry
trihedral
trihexaflexagon
trisectrix of Maclaurin
trillion
trinomial
triple
trisection of an angle
trivial solution
trivium
tromino
troy measures
true
truncate *(a number)*
truncate *(a shape)*
truncation error
truth table
truth value
turning point
twin primes
two-D
two-dimensional
two-way table

U

unary operation
unbounded
unconditional
undeca-
undecagon
undecidable
undenary
unequal
unicursal
uniform
unilateral surface
union *(of a set)*
unique solution
unit
units *(in measures)*
unitary method
unitary ratio
unit circle
unity
unit vector
universal set
universal time

universe
unknown
unlike terms
upper bound
upper quartile
upsilon
UT

V

valid
value
value added tax
variable
variance
varitions
vary directly
vary inversely
V A T
vector
vector addition
vector product
vector quantity
vector space
vector triangle
velocity
velocity-time graph
Venn diagram
versed
versiera
versine
vertex *(in topology)*
vertex *(of a shape)*
vertex angle
vertical
vertically opposite angles
vinculum
visual proof
volume
volume scale factor
vulgar fraction

W

Wallis' formula
wallpaper patterns
watt
wave
wave length
week
weight
weighted mean
weighting
whole numbers
width
Wilson's theorem
witch of Agnesi
working mean

X

x-axis
xi

Y

y-axis
yangma
yard
year
Young's modulus

Z

Z-angles
z-axis
zenith
zenithal projection
Zeno's paradoxes
zero
zero vector
zero index
zeta
zone
zone *(of a sphere)*
zone *(in time)*

Table I ~ The Greek Alphabet

The Greek alphabet is a rich source of symbols used in both mathematics and science, to the extent that nearly every one of them (both capitals and lower case) is used in some way or other. Some of them appear more than once to represent different things. Below is the full alphabet, and the names of the various symbols. The capital form of the letter is given in the first column, followed by the lower case version and, finally, its name.

A	α	alpha
B	β	beta
Γ	γ	gamma
Δ	δ	delta
E	ε	epsilon
Z	ζ	zeta
H	η	eta
Θ	θ	theta
I	ι	iota
K	κ	kappa
Λ	λ	lambda
M	μ	mu
N	ν	nu
Ξ	ξ	xi
O	o	omicron
Π	π	pi
P	ρ	rho
Σ	σ	sigma
T	τ	tau
Y	υ	upsilon
Φ	φ	phi
X	χ	chi
Ψ	ψ	psi
Ω	ω	omega

Table II ~ The SI prefixes and their values

The SI allows other units to be created from the standard ones by using prefixes, which act as multipliers. This list gives all the prefixes allowed, the single letter or symbol to be used in the abbreviated form, and the multiplying factor they represent, both in index notation and in full. Note the difference between using capital letters and lower case.

Prefix	Symbol	Index	Full
yotta	**Y**	$\times 10^{24}$	1 000 000 000 000 000 000 000 000
zetta	**Z**	$\times 10^{21}$	1 000 000 000 000 000 000 000
exa	**E**	$\times 10^{18}$	1 000 000 000 000 000 000
peta	**P**	$\times 10^{15}$	1 000 000 000 000 000
tera	**T**	$\times 10^{12}$	1 000 000 000 000
giga	**G**	$\times 10^{9}$	1 000 000 000
mega	**M**	$\times 10^{6}$	1 000 000
kilo	**k**	$\times 10^{3}$	1 000
*hecto	**h**	$\times 10^{2}$	100
*deca	**da**	$\times 10^{1}$	10
		10^{0}	1
*deci	**d**	$\times 10^{-1}$	0.1
*centi	**c**	$\times 10^{-2}$	0.01
milli	**m**	$\times 10^{-3}$	0.001
micro	**μ**	$\times 10^{-6}$	0.000 001
nano	**n**	$\times 10^{-9}$	0.000 000 001
pico	**p**	$\times 10^{-12}$	0.000 000 000 001
femto	**f**	$\times 10^{-15}$	0.000 000 000 000 001
atto	**a**	$\times 10^{-18}$	0.000 000 000 000 000 001
zepto	**z**	$\times 10^{-21}$	0.000 000 000 000 000 000 001
yocto	**y**	$\times 10^{-24}$	0.000 000 000 000 000 000 000 001

* are those prefixes which are not powers of 10