

UNITS

THE CSS POINT

Meter (m) Length
Kilogram (kg) Mass
Second (s) Time
Ampere (A) Electric current
Kelvin (K) Thermodynamic temperature
Mole (mol) Amount of substance
Candela (cd) Luminous intensity
SI Supplementary Units
Radian (rad) Plane angle (2D angle)
Steradian (sr) Solid angle (3D angle)

Mechanics

Pascal (Pa) Pressure, Stress
Joule (J) Energy, Work, Heat
Watt (W) Power
Newton (N) Force, Weight

Electromagnetism

Tesla (T) Magnetic Field
Henry (H) Inductance
Coulomb (C) Electric Charge
Volt (V) Voltage
Farad (F) Electric Capacitance
Siemens (S) Electrical Conductance
Weber (Wb) Magnetic Flux
Ohm (Ω) Electric Resistance

Optics

Lux (lx) Illuminance
Lumen (lm) Luminous Flux

Radioactivity

Becquerel (Bq) Radioactivity
Gray (Gy) Absorbed Dose
Sievert (Sv) Equivalent Dose

Other

Hertz (Hz) Frequency
Katal (kat) Catalytic Activity

aam archaic unit of liquid measure ranging from 37 to 41 gallons of wine

abampere unit equivalent to 10 amperes

abvolt unit of electrical potential equal to one hundred millionth of a volt

acre-breadth old unit of length of 22 yards

ampere unit for measuring amount of electrical current

angstrom unit of one ten-billionth of a meter

arpent unit of land area slightly smaller than an acre

astronomical unit unit of distance equal to the distance from the earth to the sun

bar unit of pressure of one million dynes per square centimeter

barleycorn old unit of length equal to one-third inch

barn unit of area measurement of particles equal to 100 square femtometres

baud unit of data transmission speed of one signal event per second

bel unit of noise intensity equal to ten decibels

butt unit of volume equal to two hogsheads or 126 gallons

calorie unit of heat or heat-producing value

candela unit of luminous intensity

carat unit of weight of precious stones equal to 200 milligrams

centner old unit of weight equal to about 110 pounds

chain unit of length equal to 22 yards

chaldron old unit of dry volume equal to between 32 and 72 bushels

clove old weight of seven to ten pounds for wool or cheese

cord unit of wood equal to 128 cubic feet

coulomb unit of electrical charge of one ampere over period of one second

cubit unit of length equal to 18 inches

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curie unit of radioactive decay and intensity

cusec unit of liquid flow equal to one cubic foot per second

dalton unit of atomic mass

darcy unit of permeability of rock to various substances

dash non-specific very small unit of measurement used in cooking

decibel unit for measuring sound intensity

denier unit of yarn fineness

digit unit of length equal to 3/4 of an inch

diopre unit of measurement of power of lens or eye

dol unit for measuring intensity of pain

dram unit of weight equal to 1/16 of an ounce

dyne unit of force to accelerate 1 gram to 1 cm per second per second

elephant large unit of paper measurement equal to 28 by 23 inches

ell old unit of length equal to 45 inches

em unit of measuring width of typeface where width of letters equals height

erg unit of work measuring force of one dyne applied over one centimeter

face-cord unit of wood measurement equal to a stack four by eight feet in volume

farad unit measuring electrical capacitance

fathom unit of length equal to six feet used to measure depth of water

fermi unit of length equal to one quadrillionth of a metre

fifth unit of measure of liquor equal to one fifth of a gallon

firkin old unit of capacity equal to one quarter of a barrel

footlambert unit of luminance of a surface emitting one lumen per square foot

fresnel unit of optical frequency equal to one terahertz

furlong unit of distance equal to 220 yards

gal unit of acceleration of one centimeter per second per second

gamma unit of magnetic flux density equal to one nanotesla

gauss unit of magnetic flux density equal to 1/10000 tesla

gilbert unit of magnetomotive force

gill unit of liquid volume equal to one-quarter pint

grain unit of weight equal to 1/7000 of a pound

gray unit of absorbed dose of ionizing radiation equal to 100 rads

hand unit for measuring height of horses equal to 4 inches

henry unit of electrical inductance

hertz unit of frequency equal to one cycle per second

hide old unit of land area equal to 120 acres

hobbet measure of two and a half bushels

hogshead unit of capacity equal to 63 gallons

horsepower unit of power equal to 550 foot-pounds of work per second

hundredweight unit of weight of 100 pounds (112 pounds in UK)

jansky unit of strength of radio wave emission

jiffy unit of time used in computing equal to 1/100 second; any small unit of time

joule unit of work done by force of one newton over distance of one meter

karat unit of fineness of gold equal to 1/24 part of pure gold

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kelvin unit of temperature based on absolute zero, equal to 1 degree Celsius

kilderkin old unit of capacity equal to 1/2 barrel or 18 gallons

kilobase unit of measure of length of nucleic acid chain equal to 1000 base pairs

kip unit of weight equivalent to 1000 pounds

lambert unit of brightness of light

langley unit of solar radiation

league unit of distance of between 2.4 and 4.6 miles

link unit of length used by surveyors, equal to 7.92 inches

lumen unit of luminous flux

lux unit of illumination equal to one lumen per square meter

magneton unit of the quantized magnetic moment of a particle

maxwell unit of magnetic flux

mecate old Mexican measure of about one-tenth of an acre

megadeath unit of fatality equal to one million deaths

mho unit of electrical conductance

mil unit of 1/1000 inch used for measuring thickness of wire

minim unit of liquid volume equal to 1/480 fluid ounces

mnemon unit of memory, largely hypothetical

mole unit of substance equal to number of atoms as 12 grams of carbon-12

morgan unit of inferred distance between genes on a chromosome

morgen unit of land area slightly more than two acres

mutchkin old unit of liquid measurement equal to 3/4 of an imperial pint

nail old measure of two and a quarter inches

neper unit for expressing ratio of two currents or voltages

newton unit of force that accelerates 1 kilogram to 1 meter / second / second

oersted unit of magnetic field strength

ohm unit of electrical resistance of circuits

osmol unit of osmotic pressure

palm unit of length equivalent to width or length of the hand

parsec unit of interstellar distance equal to 3.26 light-years

pascal unit of pressure equal to one newton per square meter

peck unit of dry measure equal to 8 quarts

pennyweight unit of troy weight equal to 24 grains

phon unit of loudness of sound as heard by listeners

photon unit of brightness of light as received at the retina

pica unit of typeface equal to about 1/6 of an inch

pipe unit of liquid capacity equal to two hogsheads

pitch unit of typeface equal to number of characters per inch

point unit of typeface equal to 1/72 of an inch

poise unit of viscosity of liquids

pole unit of area equal to a square rod

pottle unit of liquid measurement of two quarts, or one-half gallon

poundal unit of force that accelerates 1 pound to 1 foot / second / second

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probit unit of measurement of statistical probability

quad unit of energy equal to one quadrillion British thermal units

quarter unit of weight equal to 28 pounds

quintal unit of weight equal to 100 kilograms

quire unit of 24 sheets of paper

rad unit of absorbed dose of ionizing radiation

radian unit of plane angular measurement, approximately 57.3 degrees

rod unit of length equal to 1/320 of a mile

roentgen unit of x-radiation or gamma radiation

rood old unit of land area equal to 1/4 acre

rundlet old liquid measure equal to about 15 gallons

rutherford unit of radioactive decay equal to 1 million disintegrations per second

sabin unit of acoustic absorption of one square foot of a perfect absorber

scruple unit of weight used by apothecaries equal to 1/24 of an ounce

shake unit of one hundred millionth of a second used to measure nuclear processes

siemens unit of electrical conductance equivalent to one ampere per volt

slug unit of gravitational mass of approximately 32.174 pounds

sones unit of loudness on a scale based on subjective or perceived loudness

span unit of distance equal to handsread or nine inches

stack old unit of measure for firewood equal to 108 cubic feet

stone unit of weight equal to 14 pounds

svdberg unit of time used to measure sedimentation velocity

tesla unit of magnetic flux density equal to one weber per square meter

tex unit of measurement of fineness of fibres and yarn

therblig unit of work for quantifying industrial operations

therm unit of quantity of heat equal to 100,000 British thermal units

thirde deal old liquid measure of three pints; one-third of anything

tod old unit of weight of wool equal to 28 pounds

tog unit of measurement for insulation properties of fabric

ton unit of cooling power equal to 12,000 BTU per hour

torr unit of pressure equal to 1/760 of standard atmospheric pressure

tun unit of liquid capacity of 252 gallons

vara unit of linear measure of between 33 and 43 inches

verst unit of distance equal to approximately 2/3 of a mile

virgate old unit of land area usually equal to 30 acres or 1/4 hide

volt unit of electrical potential difference and electromotive force

watt unit of power equal to one joule per second

weber unit of magnetic flux equal to 100 million maxwells

wey old measure for dry goods usually equal to 40 bushels

yardland unit of land area equal to 30 acres

yrneh unit of reciprocal inductance

zolotnik old Russian unit of weight equal to 1/6 of an ounce