

## UNITS

**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 ( $\Omega$ )** 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

### **Word Definition**

**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  
**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  
**dioptre** 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  
**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

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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  
**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

**son** 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

**svedberg** 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

## UNITS

**thirdendeal** 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