

MATH CONVERSIONS AND ABBREVIATIONS

metric prefixes Deca = da = 10 Deci = d = .1 Hecto = h = 100 Centi = c = .01 Kilo = k = 1,000 Milli = m = .001	equivalents 33 1/3% = .33 = 1/3 66 2/3 % = .66 = 2/3 25% = .25 = 1/4 50% = .5 = 1/2 75% = .75 = 3/4 20% = .2 = 1/5 40% = .4 = 2/5 60% = .6 = 3/5 80% = .8 = 4/5 16 2/3% = .16 = 1/6 83 1/3% = .83 = 5/6 14% = .14 = 1/7 12 1/2% = .125 = 1/8 37 1/2% = .375 = 3/8 62 1/2% = .625 = 5/8 87 1/2% = .875 = 7/8 11% = .11 = 1/9	CONVERTS: metric Works for grams, etc. 1 hL = 10,000 cL 1 dL = 10 cL 1 kL = 100 daL 1 kL = 10 hL 1 cL = 10 mL 1 daL = 100 dL 1 daL = 1,000 cL 1 daL = 10,000 mL 1 dL = 100 mL 1 hL = 1,000 dL 1 dL = .001 hL	angles Right = 90° Acute = less than 90° Obtuse = more than 90°, less than 180° Reflex = more than 180°, less than 360° Adjacent = 2 angles w/a common ray between Congruent = angles with the same number of ° Complementary = 2 angles with a sum of 90° Supplementary = 2 angles with a sum of 180°
abbreviations C. = cup Pk. = peck Qt. = quart Bu. = bushel Pt. = pint Tbsp. = tablespoon Tsp. = teaspoon Mi. = mile Ft. = feet Yd. = yard Gal. = gallon In. = inch Oz. = ounce lb. = pound T. = ton C2 = square cm K2 = square km	temperatures °F to °C ~Deduct 32 ~Multiply by 5 ~Divide by 9 °C to °F ~Multiply by 9 ~Divide by 5 ~Add 32 Freezing Point 32 °F = 0 °C Boiling Point 212 °F = 100 °C Body Temperature 98.6 °F = 37 °C	CONVERTS: liquid (oz, c, pt, gal, tbsp, tsp, qt) 1 c. = 8 oz. 1 qt. = 4 c. 1 qt. = 2 pt. 1 pt. = 2 c. 1 gal. = 4 qt. 1 gal. = 8 pt. 1 gal. = 128 oz. 1 tbsp. = 3 tsp.	triangles Acute = 3 acute sides Obtuse = 1 obtuse angle, 2 acute angles Right = 1 right angle, 2 acute angles Equiangular = 3 congruent, acute angles Equilateral = 3 congruent sides Isoceles = 2 congruent sides Scalene = no congruent sides
geometry abbrev. A = Area B = Base C = Circumference D = Diameter E = Edge H = Height L = Length P = Perimeter R = Radius S = Side V = Volume W = Width Π = Pi, 3.14	fraction to decimal top # ÷ bottom # top: numerator bottom: denominator Congruent means "of equal length" <i>a prime number is a number that has no factors other than 1 and itself.</i> Circle: 360° Triangle: 180° Rectangle: 360°	CONVERTS: dry (quart, pint, peck, bushel) 1 bu. = 32 qt. 1 bu. = 4 pk. 1 pk. = 8 qt.	lines Perpendicular = 2 intersecting lines that form a right angle Intersecting = 2 lines sharing 1 point Parallel = lines that never intersect Skew = lines not parallel nor intersecting
roman numerals I = 1 V = 5 X = 10 L = 50 C = 100 D = 500 M = 1,000		CONVERTS: weight (ounce, ton, pound, gram) 1 lb. = 16 oz. 1 t. = 2,000 lb. 1 t. = 32,000 oz.	misc. geometry information Point = dot Line = has an arrow on each side extends indefinitely Line segment = line with 2 points on the end Ray = line with a point and arrow Angle = 2 rays that share an endpoint Vertex = common endpoint
		CONVERTS: cubic 1 cu. ft. = 1,728 cu. in. 1 cu. yd = 27 cu ft.	geometry shapes Simple closed figures has no point of intersection Similar figures have the same shape, but diff. size
		CONVERTS: length (in, feet, yard, mile, meter) 1 yd. = 36 in. 1 ft. = 12 in. 1 mi. = 1,760 yd. 1 mi. = 5,280 ft. 1 mi. = 160934.4 cm. 1 in. = 25.4 mm. 1 in. = 2.54 cm. 1 ft. = 0.3 m. 1 cm. = .39 in.	CONVERTS: square 1 sq. ft. = 144 sq. in. 1 sq. yd. = 9 sq. ft. 1 sq. yd. = 1,296 sq. in. 1 sq. meter = 10,000 sq. cm. 1 hectare = 10,000 sq. m. 1 sq. km. = 1,000,000 sq. m. 1 acre = 43,560 sq. ft. 1 sq. mile = 640 acres
		CONVERTS: circumference of a circle 2 radii (radius) is 1 diameter C = Π x D C = 2 x Π x r	area formulas Parallelograms A = B x H Rectangles A = L x W Squares A = S ² Triangles A = ½ x B x H Circles A = Π x R ²

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