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Centimeters to Meters (Swap units) 1m = 100cm Accuracy 1 significant figure 2 significant figures 3 significant figures 4 significant figures 5 significant figures 6 significant figures 7 significant figures 8 significant figures Note: Fractional results are rounded to the nearest 1/64. For a more accurate answer please select "decimal" from the options above the result. Note: You can increase or decrease the accuracy of this answer by selecting the number of significant figures required from the options above the result. Note: For a pure decimal result please select "decimal" from the options above the result. Centimeters = Meters * 100 Increment Increment: 1000 Increment: 100 Increment: 20 Increment: 10 Increment: 5 Increment: 2 Increment: 1 Increment: 0.1 Increment: 0.01 Increment: 0.001 Accuracy Select resolution 1 significant figure 2 significant figures 3 significant figures 4 significant figures 5 significant figures 6 significant figures 7 significant figures 8 significant figures Precision: Auto 2 3 4 5 6 7 8 9 10 12 14 16 18 20 decimal digitsConvert from Meters to Centimetres. Type in the amount you want to convert and press the Convert button ().Belongs in category Length To other units Conversion table For your website 1 Meters =100Centimeters 10 Meters = 1000Centimetres 2500 Meters = 25000Centimetres 2 Meters =200Centimeters 20 Meters = 2000Centimetres 5000 Meters = 50000Centimetres 3 Meters =300Centimetres 30 Meters = 3000Centimetres 10000 Meters = 100000Centimetres 4 Meters =400Centimeters 40 Meters = 4000Centimetres 25000 Meters = 250000Centimetres 5 Meters =500Centimetres 50 Meters = 5000Centimetres 50000 Meters = 500000Centimetres 6 Meters =600Centimetres 100 Meters = 10000Centimetres 100000 Meters = 1000000Centimetres 7 Meters =700Centimetres 250 Meters = 25000Centimetres 250000 Meters = 2500000Centimetres 8 Meters =800Centimetres 500 Meters = 5000Centimetres 500000 Meters = 5000000Centimetres 9 Meters =900Centimetres 1000 Meters = 10000Centimetres 1000000 Meters = 10000000Centimetres Embed this unit converter in your page or blog, by copying the following HTML code: Your browser does not support iframes.
convertive.convertive CalculatorLib Categories Unit Converter m to cm Advertisement Table Of Contents 1 meters (m) is equal to 100 centimeters (cm). 1 m = 100 cm or 1 cm = 0.01 m To convert a length from meters (m) to centimeters (cm), multiply the length in meters by 100 l(cm) = l(m) 100 Convert 1 meters to centimeters: l(cm) = 1m 100 = 100 cm Meters (m) Centimeters (cm) 0.1 m 10 cm 0.5 m 50 cm 1 m 100 cm 3 m 300 cm 5 m 500 cm 5.11 m 511 cm 5.2 m 520 cm 5.5 m 550 cm 5.6 m 560 cm 7 m 700 cm 9 m 900 cm 10 m 1000 cm 30 m 3000 cm 45 m 4500 cm 50 m 5000 cm 70 m 7000 cm 90 m 9000 cm 170 m 17000 cm 172 m 17200 cm 1000 m 10000 cm 10000 m 100000 cm Enter the length in meters below to convert it to centimeters. 1 m = 100 cm Learn how we calculate this below Cite As: Sexton, J. (n.d.). Meters to Centimeters Converter. Inch Calculator. Retrieved July 14, 2025, from To convert a measurement in meters to a measurement in centimeters, multiply the length by the following conversion ratio: 100 centimeters/meter. Since one meter is equal to 100 centimeters, you can use this simple formula to convert: centimeters = meters 100 The length in centimeters is equal to the length in meters multiplied by 100. For example, here's how to convert 5 meters to centimeters using the formula above. centimeters = (5 m 100) = 500 cm How Many Centimeters Are in a Meter? There are 100 centimeters in a meter, which is why we use this value in the formula above. 1 m = 100 cm Our inch fraction calculator can add meters and centimeters together, and it also automatically converts the results to US customary, imperial, and SI metric values. Meters and centimeters are both units used to measure length. Keep reading to learn more about each unit of measure. According to the most recent 2019 definition, the meter is defined as the distance traveled by light in vacuum during a time interval with a duration of 1/299,792,458 of a second.[1] One meter is equal to 100 centimeters, 3.28084 feet, or 39.37 inches. The meter, or metre, is the SI base unit for length in the metric system. Meters can be abbreviated as m; for example, 1 meter can be written as 1 m. Learn more about meters. One centimeter is equal to one-hundredth (1/100) of a meter, which is defined as the distance light travels in a vacuum in 1/299,792,458 of a second. One centimeter is equal to 0.393701 inches. The centimeter, or centimetre, is a multiple of the meter, which is the SI base unit for length. In the metric system, "centi" is the prefix for hundredths, or 10-2. Centimeters can be abbreviated as cm; for example, 1 centimeter can be written as 1 cm. Metric rulers typically have 30 cm, which are represented by 30 large tick marks. To get a rough idea of the actual length of a centimeter, a standard number 2 pencil is just about 1 cm thick. Learn more about centimeters. We recommend using a ruler or tape measure for measuring length, which can be found at a local retailer or home center. Rulers are available in imperial, metric, or a combination of both values, so make sure you get the correct type for your needs. Need a ruler? Try our free downloadable and printable rulers, which include both imperial and metric measurements. Meter to Centimeter Conversion TableReferencesInternational Bureau of Weights and Measures, The International System of Units, 9th Edition, 2019. 1 m = 100 cm Swap Centimeter to Meter m: Meter, cm: Centimeter There are 100 centimeter in a meter. 1 Meter is equal to 100 Centimeter. 1 m = 100 cm 0 m = 0 cm 1 m = 100 cm 2 m = 200 cm 3 m = 300 cm 5 m = 500 cm 6 m = 600 cm 10 m = 1000 cm 1.2 m = 120 cm 1.5 m = 150 cm 4 m = 400 cm 2.5 m = 250 cm 100 m = 10000 cm 7 m = 700 cm 200 m = 20000 cm 11 m = 1100 cm 15 m = 1500 cm 8 m = 800 cm 50 m = 5000 cm 12 m = 1200 cm 1.6 m = 160 cm 180 m = 18000 cm 0.1 m = 10 cm 0.5 m = 50 cm 9 m = 900 cm 1.8 m = 180 cm 120 m = 12000 cm 30 m = 3000 cm 3.5 m = 350 cm 20 m = 2000 cm 1000 m = 100000 cm 1.75 m = 175 cm 16 m = 1600 cm 1500 m = 150000 cm 1.7 m = 170 cm 4 m = 40 cm 0.001 m = 0.1 cm 1.3 m = 130 cm 14 m = 1400 cm 40 m = 4000 cm 0.6 m = 60 cm 18 m = 1800 cm 80 m = 8000 cm 21 m = 2100 cm 3.6 m = 360 cm 5.6 m = 560 cm 110 m = 11000 cm 300 m = 30000 cm 60 m = 6000 cm A meter is a SI unit scientifically accepted as the base unit of distance and length. Along with other units like kilometer or an inch, a meter is one of the fundamental units in SI. One meter equals to the length of the path that a light travels in vacuum for the time of 1/299,792,458 second. SI symbol for meter is m, and one meter is 100 centimeters or 1/1000th (10-3) of a kilometer. Convert Meter Centimeter is considered a common unit of length used in SI. It is equivalent to 10 millimeters or 1/100th (10-2) of a meter. Years ago it was a basic unit in formerly used CGS (centimeter-gram-second) unit system, but in modern times the role of basic unit of length is played by meter. The symbol of centimeter is cm. Convert Centimeter This is a very easy to use meter to centimeter converter. First of all just type the meter (m) value in the text field of the conversion form to start converting m to cm, then select the decimals value and finally hit convert button if auto calculation didn't work. Centimeter value will be converted automatically as you type. The decimals value is the number of digits to be calculated or rounded of the result of meter to centimeter conversion. You can also check the result of meter to centimeter conversion chart below, or go back to meter to centimeter converter to top. MeterCentimeter1 m100 cm2 m200 cm3 m300 cm4 m400 cm5 m500 cm6 m600 cm7 m700 cm8 m800 cm9 m900 cm10 m1000 cm11 m1100 cm12 m1200 cm13 m1300 cm14 m1400 cm15 m1500 cm16 m1600 cm17 m1700 cm18 m1800 cm19 m1900 cm20 m2000 cm21 m2100 cm22 m2200 cm23 m2300 cm24 m2400 cm25 m2500 cm26 m2600 cm27 m2700 cm28 m2800 cm29 m2900 cm30 m3000 cm31 m3100 cm32 m3200 cm33 m3300 cm34 m3400 cm35 m3500 cm36 m3600 cm37 m3700 cm38 m3800 cm39 m3900 cm40 m4000 cm41 m4100 cm42 m4200 cm43 m4300 cm44 m4400 cm45 m4500 cm46 m4600 cm47 m4700 cm48 m4800 cm49 m4900 cm50 m5000 cmMeterCentimeter50 m5000 cm55 m5500 cm60 m6000 cm65 m6500 cm70 m7000 cm75 m7500 cm80 m8000 cm85 m8500 cm90 m9000 cm95 m9500 cm100 m10000 cm105 m10500 cm110 m11000 cm115 m11500 cm120 m12000 cm125 m12500 cm130 m13000 cm135 m13500 cm140 m14000 cm145 m14500 cm150 m15000 cm155 m15500 cm160 m16000 cm165 m16500 cm170 m17000 cm175 m17500 cm180 m18000 cm185 m18500 cm190 m19000 cm195 m19500 cm200 m20000 cm205 m20500 cm210 m21000 cm215 m21500 cm220 m22000 cm225 m22500 cm230 m23000 cm235 m23500 cm240 m24000 cm245 m24500 cm250 m25000 cm255 m25500 cm260 m26000 cm265 m26500 cm270 m27000 cm275 m27500 cm280 m28000 cm285 m28500 cm290 m29000 cm295 m29500 cm Back to all Length conversions Please provide values below to convert meter [m] to centimeter [cm], or vice versa. Definition: A meter, or metre (symbol: m), is the base unit of length and distance in the International System of Units (SI). The meter is defined as the distance traveled by light in 1/299,792,458 of a second. This definition was slightly modified in 2019 to reflect changes in the definition of the second.History/origin: Originally, in 1793, the meter was defined as one ten-millionth of the distance from the equator to the North Pole. This changed in 1889, when the International prototype metre was established as the length of a prototype meter bar (made of an alloy of 90% platinum and 10% iridium) measured at the melting point of ice. In 1960, the meter was again redefined, this time in terms of a certain number of wavelengths of a certain emission line of krypton-86. The current definition of the meter is effectively the same as the definition that was adopted in 1983, with slight modifications due to the change in definition of the second.Current use: Being the SI unit of length, the meter is used worldwide in many applications such as measuring distance, height, length, width, etc. The United States is one notable exception in that it largely uses US customary units such as yards, inches, feet, and miles instead of meters in everyday use.CentimeterDefinition: A centimeter (symbol: cm) is a unit of length in the International System of Units (SI), the current form of the metric system. It is defined as 1/100 meters.History/origin: A centimeter is based on the SI unit meter, and as the prefix "centi" indicates, is equal to one hundredth of a meter. Metric prefixes range from factors of 10-18 to 1018 based on a decimal system, with the base (in this case the meter) having no prefix and having a factor of 1. Learning some of the more commonly used metric prefixes, such as kilo-, mega-, giga-, tera-, centi-, milli-, micro-, and nano-, can be helpful for quickly navigating metric units.Current use: The centimeter, like the meter, is used in all sorts of applications worldwide (in countries that have undergone metrication) in instances where a smaller denomination of the meter is required. Height is commonly measured in centimeters outside of countries like the United States.Meter [m]Centimeter [cm]0.1 m 1 cm 0.1 m 10 cm 1 m 100 cm 2 m 200 cm 3 m 300 cm 4 m 400 cm 5 m 500 cm 6 m 600 cm 7 m 700 cm 8 m 800 cm 9 m 900 cm 10 m 1000 cm 11 m 1100 cm 12 m 1200 cm 13 m 1300 cm 14 m 1400 cm 15 m 1500 cm 16 m 1600 cm 17 m 1700 cm 18 m 1800 cm 19 m 1900 cm 20 m 2000 cm 1 meter (m) = 100 centimeter (cm). Meter (m) is a unit of Length used in Metric system. Centimeter (cm) is a unit of Length used in Metric system. Meter - Unit of Distance / Length Unit Symbol / Abbreviation: m Where the unit used in the World: The meter is used as a unit to measure medium distances or lengths. It's a standard measure for short distances (up to 1 km long), in real estate and construction, supply materials, vehicle and aircraft dimensions, short geographical distances and directions in most countries excluding the USA where foot and yard are still widely used for this purpose. The meter is widely used in most countries and is the official unit for medium lengths and distances (for example, road signs in continental Europe show maximum vehicle height in meters). Primary exceptions are the United States of America, and some countries where feet and yards are used in limited extent: the United Kingdom and Canada, where the yard remains in limited use as a part of imperial system (for example, yards are used on road signs for shorter distances in the United Kingdom and feet are widely used in construction and real estate in Canada). Definition of the Unit: The meter (metre in UK spelling) is a unit of length/distance in the metric system (SI Unit system) equivalent to the length of the path travelled by light during a time interval of 1/299,792,458 of a second (in vacuum, defined since 1983). 1 m is equivalent to 3.28084 ft or 0.000621371 miles. Equivalents in other units and scales: 1 m = 1000 millimeters (mm) 1 m = 100 centimeters (cm) 1 m = 10 decimeters (dm) 1 m = 0.001 kilometers (km) 1 m = 3.28084 feet (ft) 1 megameter = 1000000 m 1 gigameter = 1000000000 m Units of length in the metric SI system are based on multiples or fractions of a meter. There are measurements of length/distance in the metric SI system greater than a meter that can be expressed in terms of metres. 1 m is equivalent to 3.28084 ft or 1.09361 yd. The meter is a unit of length in the metric SI system and is equivalent to the length of the path travelled by light during a time interval of 1/299,792,458 of a second (in vacuum, defined since 1983). Meters also can be marked as metres (in British English spelling). Centimeter: A Unit of Length The centimeter (cm) is a unit of length in the metric system, which is the most widely used system of measurement in the world. The centimeter is equal to one hundredth of a meter, which is the SI base unit of length. The centimeter is also a derived unit in the International System of Units (SI), which is the official system of measurement for science and engineering. The symbol for centimeter is cm. The centimeter is used for measuring small distances and dimensions, such as the width of a fingernail or the diameter of a coin. The centimeter is also used for measuring areas and volumes, such as the area of a sheet of paper or the volume of a water bottle. The centimeter is named after the centi prefix, which means one hundredth in Latin. In this article, we will explore the definition, history, usage and conversion of the centimeter as a unit of length. The centimeter can be converted to other units of length by using conversion factors or formulas. Here are some examples of how to convert centimeters to other units of length in the SI system, the US customary system and other systems: To convert centimeters to millimeters, multiply by 10. For example, 10 cm = 10 10 = 100 mm. To convert centimeters to meters, divide by 100. For example, 10 cm = 10 / 100 = 0.1 m. To convert centimeters to kilometers, divide by 100000. For example, 10 cm = 10 / 100000 = 0.0001 km. To convert centimeters to inches, multiply by 0.3937. For example, 10 cm = 10 0.3937 = 3.937 in. To convert centimeters to feet, multiply by 0.0328. For example, 10 cm = 10 0.0328 = 0.328 ft. To convert centimeters to yards, multiply by 0.0109. For example, 10 cm = 10 0.0109 = 0.109 yd. To convert centimeters to miles, multiply by 0.0000062137. For example, 10 cm = 10 0.0000062137 = 0.000062137 mi. To convert centimeters to nanometers, multiply by 10000000. For example, one cm = one 10000000 = 10000000 nm. To convert centimeters to micrometers, multiply by 10000. For example, one cm = one 10000 = 10000 m. Centimeters also can be marked as centimetres. Espaal Russian Franais Use this converter to easily convert between Meters and Centimeters (m to cm). Quick navigation: Centimeters and Meters are basic metric units of dimension, length and height. It is accepted that the symbol for centimeters is cm, and m is for meters. One meter is equal to 100 centimeters, or to put it otherwise a centimeter is one-hundredth of a meter. Centimeters and meters are used throughout the world as measuring units, with the exception of countries that use the imperial system, such as the United States. Difference between Meters and Centimeters The meter and the centimeter are units of length, both based on precise mathematical calculations. They differ in scale and in purpose usually, depending on the object, measurements will be done using the unit that will help us find the more exact result. Historically, the first definition of the meter came about in 1793 1/10,000,000 of the distance between the equator and the North Pole. The meter was redefined last in 1983 as being equal to the distance light travels in 1/299,792,458 seconds in a vacuum. Today, according to the International System of Units (SI), it is the basic measurement unit. The centimeter is roughly determined to be equal to the width of an average persons fingernail. The prefix centi is derived from Latin and means one-hundred. According to the SI, centi is a factor of 1/100 magnitude. The centimeter is a unit largely used in everyday practice when taking measurements for clothes, or when making conversions from map scale to real-world dimensions. How to convert Meters to Centimeters Knowing that a meter is equal to 100 centimeters, we work out the equation: m x 100 = cm. An easy way to do the math is moving the decimal point 2 places to the right. Meters to cm conversion example Sample task: convert 2 meters to centimeters. Solution: Formula: m * 100 = ft Calculation: 2 m * 100 = 200 ft End result: 2 m is equal to 200 ft Meters to cm conversion table m to ft conversion table m ft 1 m 100 ft 2 m 200 ft 3 m 300 ft 4 m 400 ft 5 m 500 ft 6 m 600 ft 7 m 700 ft 8 m 800 ft 9 m 900 ft 10 m 1,000 ft 20 m 2,000 ft 30 m 3,000 ft 40 m 4,000 ft 50 m 5,000 ft 60 m 6,000 ft 70 m 7,000 ft 80 m 8,000 ft 90 m 9,000 ft 100 m 10,000 ft 200 m 20,000 ft 300 m 30,000 ft 400 m 40,000 ft 500 m 50,000 ft 600 m 60,000 ft 700 m 70,000 ft 800 m 80,000 ft 900 m 90,000 ft 1,000 m 100,000 ft 1 NIST Special Publication 330 (2008) - "The International System of Units (SI)", edited by Barry N.Taylor and Ambler Thompson 2 International Organization for Standardization (1993). ISO Standards Handbook: Quantities and units (3rd edition). Geneva: ISO. ISBN 92-67-10185-4. Enter your value in the conversion calculator below. TIP: If the result of your conversion is 0, try increasing the "Decimals".How to convert m to cm: Enter a value in the m field and click on the "Calculate cm" button. Your answer will appear in the cm field.

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