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In many real-life scenarios—whether you’re measuring your height, furniture, or anything else—understanding the imperial equivalent of a metric value is essential. That’s where a CM to Feet Calculator becomes incredibly useful. This online tool makes it effortless to convert centimeters into feet and inches with high precision. Whether you’re a student, traveler, designer, or just someone needing quick conversions, our calculator saves time and avoids manual math. A CM to Feet Calculator is a digital tool that allows users to convert a value in centimeters (cm) to its equivalent in feet and inches. It simplifies the conversion process by automatically calculating and displaying the results in both traditional feet & inches and decimal feet format. Inches = CM + 2.54/Feet = Inches + 12/Decimal Feet = CM + 30.48/Using the tool is extremely simple and user-friendly. Here are the steps:Input the Centimeter Value:Enter the value in centimeters in the input field labeled "Centimeters (cm)." Example: 170.Click on "Calculate":Press the "Calculate" button. The script processes the input and displays: The result in feet and inches (e.g., 5 ft 7 in)The result in decimal feet (e.g., 5.58 ft)Reset Option:Want to try another value? Click the "Reset" button to clear the fields and results,Mobile-friendly and responsive:Clear result display area for both formatsReal-time feedback and validation for empty or invalid inputs:Let's break down the process:Input: 170 cmInches: 170 ÷ 2.54 = 66.93 inchesFeet (whole number): 66.93 ÷ 12 = 5 feetRemaining Inches: 66.93 - 5 × 12 = ~7 inchesDecimal Feet: 170 ÷ 30.48 = 5.58 ftFinal Output:Feet & Inches: 5 ft 7 inDecimal Feet: 5.58 ftHere are a few compelling reasons to use this calculator:The calculator ensures accurate conversion with zero chances of human error.Displays both feet-inches and decimal feet formats for flexible applications.A clean, modern interface designed for quick access on any device.No need for formulas or calculators—get your result in a click.Perfect for converting height, construction materials, furniture dimensions, etc.Health & Fitness: Convert your height for gym records or doctor visits.Real Estate: Measure room dimensions or construction materials.Travel: Convert measurements when abroad.Education: Useful for science and math students.E-Commerce: Product dimensions often need conversion.FeatureDescriptionInput ValidationPrevents calculation for invalid or negative inputsDual Output FormatFeet-Inches + Decimal FeetStylish, Minimal UIClean, distraction-free interfaceResponsive DesignWorks seamlessly on phones, tablets, desktopsInstant Reset FunctionAllows multiple conversions effortlessly.1. What is 170 cm in feet and inches?170 cm = 5 ft 7 in2. How accurate is this calculator?Extremely accurate. It uses standard conversion formulas based on real-world units.3. Can I use it for height conversion?Absolutely! This tool is perfect for converting your height.4. What is the formula to convert cm to feet?Feet = cm ÷ 30.485. Can I convert negative values?No. Negative lengths are invalid and rejected by the calculator.6. Does this tool work on mobile phones?Yes, it is mobile-responsive and works on all devices.7. Can I use it offline?You need an internet connection to access it, but no server communication is required after loading.8. Can I share the result?Yes, copy the output and share it as needed.9. What's 160 cm in feet and inches?160 cm = 5 ft 3 in10. Is it safe to use this tool?Yes. It does not collect or store any personal data.11. Does it work for children's height?Yes, it's suitable for all height measurements.12. Can I convert 0 cm?The calculator does not accept 0 or less—it prompts for a valid positive number.13. Is there a maximum limit?Technically no, but extremely high values might not be practical.14. What is 200 cm in feet?200 cm = 6 ft 6 in15. Can I bookmark the tool?Yes, you can bookmark the calculator page in your browser.16. Is the decimal feet useful?Yes, especially in professional settings like architecture and construction.17. Does it require a download or app?No, it's web-based and needs no installation.18. Can I convert multiple values at once?Not at the same time, but you can do them one-by-one using the Reset button.19. Is it beginner-friendly?Yes, even first-time users can navigate it easily.20. Is it available in other languages?Currently, it's in English. Future updates may include more languages.Whether you're converting height for a passport application, measuring furniture dimensions, or preparing school assignments, the CM to Feet Calculator is a simple yet powerful tool to make your task easier. With an intuitive design, real-time results, and dual-format output, it's your go-to-companion for accurate metric-to-imperial conversions.Bookmark this tool for your daily needs and eliminate manual conversions forever! Use this converter to easily convert between Centimeters and Feet (cm to ft, cm to feet). Quick navigation: A foot is defined as 0.3048 of a meter, so 30.48 centimeters equal one foot, since 1 cm = 0.01 meters. The symbol for centimeters is "cm", while "ft" is used for feet. Sometimes a single quote does the same job, e.g. '6" tall means 6 feet tall. Difference between Centimeters and Feet Both feet and centimeters are units for measuring length or dimensions of an object. Their magnitude is somewhat different, but there is significant overlap in their application, for example measuring human height, or waist circumference. Both units are used in construction, architecture, landscaping, and so on. However, feet are also used to measure small distances, while centimeters are usually used only for very small distances of up to a couple of meters. The origin of using the unit of foot is unclear as it goes very far back, likely before writing was invented. It was a part of many local systems of units, including the Greek, Roman, Chinese, French, and English systems of measurement. The length of a foot varied from location to location and sometimes depended on which trade it was applied to, but the length was typically between 250 mm and 335 mm. In medieval Europe the foot was taken as the average of length of the feet of randomly sampled men from a local community. Since 1959 the foot is defined using the metric system. Currently the US is the only country which prefers using the foot in preference to the meter in commerce, engineering and standardization of all kinds. The centimeter is part of the metric system, adopted in most countries nowadays. The base unit is the meter, which is defined by the distance light travels in vacuum in a fraction of a second. A centimeter is defined as 1/100 of a meter, so 1cm = 0.01m. How to convert Centimeters to Feet Conversion from feet to centimeters requires you to divide the measurement in feet to 30.48. Getting the centimeter equivalent of a foot measurement is much easier using our free online cm to ft converter above. Cm to feet conversion example Sample task: convert 185 cm to feet. Solution: Formula: cm / 30.48 = ft Calculation: 185 cm / 30.48 = 6.069554 ft End result: 185 cm is equal to 6.069554 ft 185 cm to feet is 6.06, so a person wight a height of 185 cm is approximately 6 feet and one inch tall. cm to ft conversion table cm to ft conversion table cm ft 1 cm 0.032808 ft 2 cm 0.065617 ft 3 cm 0.098425 ft 4 cm 0.131234 ft 5 cm 0.164042 ft 6 cm 0.196850 ft 7 cm 0.229659 ft 8 cm 0.262467 ft 9 cm 0.295276 ft 10 cm 0.328084 ft 20 cm 0.656168 ft 30 cm 0.984252 ft 40 cm 1.312336 ft 50 cm 1.640420 ft 60 cm 1.968504 ft 70 cm 2.296588 ft 80 cm 2.624672 ft 90 cm 2.952756 ft 100 cm 3.280840 ft 200 cm 6.561680 ft 300 cm 9.842520 ft 400 cm 13.123360 ft 500 cm 16.404199 ft 600 cm 19.685039 ft 700 cm 22.965879 ft 800 cm 26.246719 ft 900 cm 29.527559 ft 1,000 cm 32.808399 ft If you are looking to compare your height or your child's height to that of others of the same gender and country of residence, you will find our height comparison tool useful. 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. Please provide values below to convert centimeter [cm] to foot [ft], or vice versa. Definition: 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 10^18 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.FootDefinition: A foot (symbol: ft) is a unit of length in the imperial and US customary systems of measurement. A foot was defined as exactly 0.3048 meters in 1959. One foot contains 12 inches, and one yard is comprised of three feet.History/origin: Prior to standardization of units of measurement, and the definition of the foot currently in use, the measurement of the foot was used in many different systems including the Greek, Roman, English, Chinese, and French systems, varying in length between each. The various lengths were due to parts of the human body historically being used as a basis for units of length (such as the cubit, hand, span, digit, and many others, sometimes referred to as anthropic units). This resulted in the measurement of a foot varying between 250 mm and 335 mm in the past compared to the current definition of 304.8 mm. While the United States is one of the few, it not only, countries in which the foot is still widely used, many countries used their own version of the foot prior to metrication, as evidenced by a fairly large list of obsolete feet measurements.Current use: The foot is primarily used in the United States, Canada, and the United Kingdom for many everyday applications. In the US, feet and inches are commonly used to measure height, shorter distances, field length (sometimes in the form of yards), etc. Feet are also commonly used to measure altitude (aviation) as well as elevation (such as that of a mountain). The international foot corresponds to human feet with shoe size 13 (UK), 14 (US male), 15.5 (US female), or 46 (EU).Centimeter [cm]Foot [ft]0.01 cm0.000328084 ft0.1 cm0.032808399 ft1 cm0.032808399 ft2 cm0.0656167979 ft3 cm0.0984251969 ft5 cm0.1640419948 ft10 cm0.3280839895 ft20 cm0.656167979 ft50 cm1.6404199475 ft100 cm3.280839895 ft1000 cm32.8083989501 ft1 ft = 30.48 cmExample: Convert 15 cm to ft:15 cm = 15 × 0.032808399 ft = 0.4921259843 ft Feet to cm ► Centimeter (cm) or centimetre is a unit of length in the International System of Units (SI). Centi is a prefix for 1/100. One centimeter is equal to 1/100 of a meter (m). One centimeter is equal to 10 millimeters (mm).One centimeter is equal to 1/2.54 of an inch (in). Foot Foot (ft) is a unit of length. One foot is equal to 12 inches (in).One foot is equal to 1/3 of a yard (yd).One foot is equal to 30.48 centimeters (cm). How to convert centimeters to feet 1 centimeter is equal to 0.0328084 feet. 1cm = (1/2.54/12)/ft = 0.0328084ft The distance d in feet (ft) is equal to the distance d in centimeters (cm) divided by 30.48: d(ft) = d(cm) / 30.48 Or feet = centimeters / 30.48 Example #1 Convert 20 cm to feet: 20cm = 20cm / 30.48cm/ft = 0.656168ft Example #2 Convert 50 cm to feet: 50cm = 50cm / 30.48cm/ft = 1.64042ft How many feet in a centimeter One centimeter is equal to 0.0328084 feet. 1cm = 1cm / 30.48cm/ft = 0.0328084ft How many centimeters in a foot One foot is equal to 30.48 centimeters: 1ft = 30.48×1ft = 30.48cm How to convert 10cm to feet Divide 10 centimeters by 30.48 to get feet: 10cm = 10cm / 30.48cm/ft = 0.328084ft Centimeters to feet conversion table Centimeters (cm) Feet (ft) 0.01 cm 0.000328 ft 0.1 cm 0.003281 ft 1 cm 0.032808 ft 2 cm 0.065617 ft 3 cm 0.098425 ft 4 cm 0.131234 ft 5 cm 0.164042 ft 6 cm 0.196850 ft 7 cm 0.229658 ft 8 cm 0.262467 ft 9 cm 0.295276 ft 10 cm 0.328084 ft 20 cm 0.656168 ft 30 cm 0.984252 ft 40 cm 1.312336 ft 50 cm 1.640420 ft 60 cm 1.968504 ft 70 cm 2.296588 ft 80 cm 2.624672 ft 90 cm 2.952756 ft 100 cm 3.280840 ft Feet to cm ► See also Use our calculator to convert between cm and feet for height, length or distance measurements. You can also use our reference chart of common conversions and read about how to convert. Here's what you need to know: Popular cm and feet conversionsCentimetersFeet1 cm 0.03281 ft10 cm 0.32808 ft20 cm 0.65617 ft30 cm 0.98425 ft40 cm 1.31234 ft50 cm 1.64042 ftFeet to centimeters5 feet 5 in5' 5" 165.1 cm5 feet 6 in5' 6" 167.64 cm5 feet 7 in5' 7" 170.18 cm5 feet 8 in5' 8" 172.72 cm5 feet 9 in5' 9" 175.26 cm5 feet 10 in5' 10" 177.8 cm5 feet 11 in5' 11" 180.34 cm6 feet6' 182.88 cmNote: conversions are rounded to 2 decimal places.Full charts are available further down the page, and we also have a height comparison chart here.How to convert cm to feetThe formula for converting centimeters to feet is:Feet = Cm ÷ 30.48The formula for converting centimeters to feet AND inches is:Whole feet = floor(Cm ÷ 30.48)+Inches = (Cm ÷ 30.48 - Whole feet) × 12Conversion methodologyTo convert centimeters to feet, divide your cm figure by 30.48. To convert to feet and inches, divide your cm figure by 30.48 to get your feet and then multiply the remainder decimal by 12 to get your inches.Example: Mabel is 171cm tall. She wants to know how tall she is in feet and inches. She can calculate as follows:Height in feet = 171 ÷ 30.48 = 5.61 feet.There are 12 inches in a foot. Her height remainder in inches = 0.61 feet * 12 = 7.32 inches.Mabel's height is 5 feet 7.32 inches (5'7").180cm is equal to 5 feet and 11 inches (5'11"), rounded to the nearest inch. There are 30.48 centimeters in one foot.How to convert feet to cmTo convert feet to centimeters, multiply your feet figure by 30.48 (cm = feet × 30.48). To convert from feet and inches, convert your feet figure to inches first (multiply it by 12), add on the inches remainder and then multiply the result by 2.54.Example: James is 5ft 10 inches tall. He wants to know how tall he is in centimeters. He can calculate as follows:Height in inches only = (5 feet × 12) + 10 = 70 inches.Height in cm = 70 inches × 2.54 = 177.8cm.James is 177.8cm tall.5 feet 7 inches is equal to 170.18 centimeters. As there are 2.54 cm in an inch, we can calculate it by converting to inches first: [(5 × 12)+7] × 2.54 = 170.18cm.Related calculatorsMeters to feet and inchesHeight converterCm to inchesCalculator by Alastair Hazell Last updated: March 7, 2023 Centimeters Decimal Feet Feet & Inches 100 cm 3.2808 ft 3 ft 3.37 in 182.88 cm 6.0000 ft 6 ft 0 in 30.48 cm 1.0000 ft 1 ft 0 in This converter is useful in various real-world scenarios: Architecture & Construction: Quickly convert dimensions from the metric system to feet for building plans or renovations. Interior Design: Measure furniture and space layouts using both decimal feet for quick calculations and feet & inches for precision. Education: Help students understand unit conversions with clear, step-by-step calculations. DIY Projects: Convert measurements when working on home improvement projects where imperial units are required. Feature Application Example Decimal Feet Conversion Quick estimations in construction projects 150 cm = 4.9213 ft Feet & Inches Conversion Detailed measurements in carpentry or interior design 182.88 cm = 6 ft 0 in Step-by-Step Calculation Educational demonstrations of unit conversion See the detailed steps below the result Clear Functionality Reset values easily for multiple conversions Clicking 'Clear' resets the form Responsive Design Works well on any device Tables adjust on mobile screens Q1: What conversion factors are used? For decimal feet, 1 cm = 0.0328084 feet. For feet & inches, 1 inch = 2.54 cm. Q2: Can I convert fractional centimeter values? Yes, the converter accepts decimals for more precise conversions. Q3: How are feet & inches calculated? The total inches are computed first, then divided into whole feet and remaining inches. Q4: What are some practical applications of this converter? It is useful in fields such as architecture, interior design, education, and DIY projects. Q5: Does the converter work on mobile devices? Yes, the design is responsive and adapts to different screen sizes. CM to Feet converter is a free online tool prepared by GeeksforGeeks. This tool helps us easily convert the cm value to the feet value. This cm-to-feet calculator converter is used by students and professionals to find cm-to-feet conversion easily. 1 cm is equal to 0.032808 ft.CM to Feet ConversionCM to Feet conversion is achieved by the converter added below.CM DefinitionCM is the unit to measure the length. It is one of the standard units of length and is used in SI system of measurement. The symbol for centimeters is cm. 1 cm is equal to 0.032808 ft. CM is used in the CGS system of unit measurement.Feet DefinitionFeet is the unit of length and the US customary unit of length measurement. It is also called the imperial unit of length and its symbol is ft. 1 ft is 30.48 cm.How to Convert CM to FeetCM to feet conversion is achieved by following the steps added below,Step 1: Note the given value in cm. Step 2: Use the cm to feet converter added above. Enter the cm value in cm input field.Step 3: Click on convert button to easily convert the cm value to feet value.CM to Feet Conversion TableCentimeters to feet conversion table is added below.Centimeter (cm)Feet (ft)0 cm ft1 cm 0.032808 ft2 cm 0.065617 ft3 cm 0.098425 ft4 cm 0.131234 ft5 cm 0.164042 ft6 cm 0.196850 ft7 cm 0.229659 ft8 cm 0.262467 ft9 cm 0.295276 ft10 cm 0.328084 ft20 cm 0.656168 ft30 cm 0.984252 ft40 cm 1.312336 ft50 cm 1.640420 ft60 cm 1.968504 ft70 cm 2.296588 ft80 cm 2.624672 ft90 cm 2.952756 ft100 cm 3.280840 ftOne centimeter is equal to 0.0328084 feet. i.e.1 cm = 0.0328084ft This conversion is used to convert cm value to feet value.How many Feet in a CM?One feet is equal to 30.48 centimeters, i.e.1 ft = 30.48 cm This conversion is used to convert feet value to cm value.Check, Feet to cm Converter1 Feet to Meter1 m is equal to 3.3 feet approximately.1 m = 3.280839895 ftHeight From cm to feet (cm to feet)The table added below shows height from cm to feet.CmFeetFeet + Inches150 cm4.92ft4ft + 10.8in155 cm5.09ft5ft + 1.02in160 cm5.25ft5ft + 2.99in165 cm5.41ft5ft + 4.96in170 cm5.58ft5ft + 6.93in171 cm5.61ft5ft + 7.32in172 cm5.64ft5ft + 7.72in173 cm5.68ft5ft + 8.11in174 cm5.71ft5ft + 8.50in175 cm5.74ft5ft + 8.90in176 cm5.77ft5ft + 9.29in177 cm5.81ft5ft + 9.69in178 cm5.84ft5ft + 10.08in179 cm5.87ft5ft + 10.47in180 cm5.91ft5ft + 10.87in181 cm5.94ft5ft + 11.26in182 cm5.97ft5ft + 11.65in183 cm6.00ft6ft + 0.05in184 cm6.04ft6ft + 0.44in185 cm6.07ft6ft + 0.83in186 cm6.10ft6ft + 1.23in187 cm6.14ft6ft + 1.62in188 cm6.17ft6ft + 2.02in189 cm6.20ft6ft + 2.41in190 cm6.23ft6ft + 2.80in195 cm6.40ft6ft + 4.77in200 cm6.56ft6ft + 6.74inConclusionThus, to conclude, we say that cm to feet converter is a free online tool that is used to convert the given value of length in feet to cm value. This tool is very important for students and professionals all around the world. Also Check to lbsMetric Tons to KilogramExamples on CM to Feet (cm to ft)Example 1: Convert 165 cm to feet.Solution:Using cm to feet conversion table,165 cm = 165 × 0.0328084 = 5.4133858268 ftExample 2: Convert 180 cm to feet.Solution:Using cm to feet conversion table,180 cm = 180 × 0.0328084 = 5.90551 ftExample 3: Convert 80 cm to feet (cm to ft).Solution:Using cm to feet conversion table,80 cm = 80 × 0.0328084 = 2.624671916 ftExample 4: How much is 75 (cm to ft) cm to feet.Solution:Using cm to feet conversion table,75 cm = 75 × 0.0328084 = 2.4606299213 ftExample 5: How much is 45 (cm to ft) cm to feet?Solution:Using cm to feet conversion table,45 cm = 45 × 0.0328084 = 1.476379528 ftExample 6: Convert 60 cm to feet.Solution:Since, 1 cm = 0.0328084 ft Hence, 60 cm = 60 × 0.0328084 = 1.968504 ftPractice Questions on CM to Feet (cm to ft).Q1. Convert 330 cm to feet (cm to ft).Q2. Convert 81 cm to feet (cm to ft).Q3. Convert 600 cm to feet (cm to ft).Q4. Convert 170 cm to feet (cm to ft).Q5. What is 175 cm to feet (cm to ft)?Q6. Convert 196 cm to feet (cm to ft).Q7. Convert 160 cm to feet (cm to ft). Welcome to CMtoFEET.com, the ultimate tool for converting measurements from centimeters to feet and vice versa.Centimeters (CM) are a unit of length in the metric system, commonly used in various fields such as science, engineering, and everyday measurements. On the other hand, feet (FT) are a unit of length in the imperial system, widely used in the United States and other countries. Understanding how to convert between them is essential for accurate measurements.Centimeters (CM) are a unit of length in the metric system. They are commonly used in scientific, engineering, and everyday measurements. One centimeter is equal to 0.01 meters or 0.0328 feet. The conversion from centimeters to feet is done by dividing the length in centimeters by 30.48. Let's calculate how many feet is equal to 345 cm. Answer: 11.318897637795 feet Let's calculate how many feet is equal to 717 cm. Answer: 23.523622047244 feet Let's calculate how many feet is equal to 377 cm. Answer: 12.368766404199 feet Let's calculate how many feet is equal to 327 cm. Answer: 10.728346456693 feet Let's calculate how many feet is equal to 866 cm. Answer: 28.412073490814 feet Let's calculate how many feet is equal to 33.4 cm. Answer: 1.0958005249344 feet Let's calculate how many feet is equal to 69.1 cm. Answer: 2.267060367454 feet Let's calculate how many feet is equal to 65.1 cm. Answer: 2.1358267716535 feet Let's calculate how many feet is equal to 8.1 cm. Answer: 0.26574803149606 feet Let's calculate how many feet is equal to 18.5 cm. Answer: 0.60695538057743 feet Feet (FT) are a unit of length in the imperial system, widely used in the United States and other countries. One foot is equal to 12 inches or 30.48 centimeters. The conversion from feet to centimeters is done by multiplying the length in feet by 30.48. FT to CM Conversion Pages : Let's calculate how many cm is equal to 978 feet. Answer: 2909.44 cm Let's calculate how many cm is equal to 107 feet. Answer :5699.76 cm Let's calculate how many cm is equal to 49 feet. Answer: 1493.52 cm Let's calculate how many cm is equal to 327 feet. Answer :9966.96 cm Let's calculate how many cm is equal to 995 feet. Answer :30327.6 cm Let's calculate how many cm is equal to 17.5 feet. Answer :533.4 cm Let's calculate how many cm is equal to 9.5 feet. Answer :289.56 cm Let's calculate how many cm is equal to 14 feet. Answer :426.72 cm Let's calculate how many cm is equal to 62 feet. Answer :1889.76 cm Let's calculate how many cm is equal to 27.3 feet. Answer :832.104 cm Centimeters (cm) and feet (ft) are two common units used to measure length, each belonging to different measurement systems: Centimeters: Part of the metric system, used widely around the world. Feet: Part of the imperial system, primarily used in the United States and a few other countries. To convert centimeters to feet, use this formula: Feet = Centimeters ÷ 30.48 Or, for a rough estimate: Feet = Centimeters + 30 Start with your measurement in centimeters Divide the number by 30.48 The result is your measurement in feet Example: Convert 152 cm to feet 152 ÷ 30.48 = 4.987 feet (rounded to 3 decimal places) This can be expressed as 4 feet 11.84 inches Centimeters (cm) Feet (ft) Feet and Inches 30 cm 0.984 ft 0 ft 11.8 in 100 cm 3.281 ft 3 ft 3.4 in 150 cm 4.921 ft 4 ft 11.1 in 180 cm 5.906 ft 5 ft 10.9 in 200 cm 6.562 ft 6 ft 6.7 in Understanding cm to feet conversion is useful in various scenarios: International travel and shopping Construction and home improvement projects Fitness and health measurements Importing/exporting goods For a quick estimate, remember that 30 cm is close to 1 foot. This can help you make rough conversions on the fly. Most smartphones have built-in conversion tools in their calculator apps. Online conversion tools are also readily available for precise conversions. Confusing the direction of conversion (cm to ft vs. ft to cm) Forgetting to convert the decimal part of feet to inches when needed Rounding too early in calculations, leading to inaccurate results Try converting these measurements: 75 cm to feet 220 cm to feet and inches 50 cm to feet and inches (Answers: 1. 2.46 ft, 2. 7 ft 2.6 in, 3. 1.64 ft, 4. 5 ft 3 in) Enter the length in centimeters below to convert it to feet. 1 cm = 0.032808 ft1 cm = 0' 25/64" Learn how we calculate this below Cite As: Sexton, J. (n.d.). Centimeters to Feet Converter. Inch Calculator. Retrieved July 24, 2025. From To Convert a measurement in centimeters to a measurement in feet, divide the length by the following conversion ratio: 30.48 centimeters/foot. Since there are 30.48 centimeters in one foot, you can use this cm to feet formula to convert: feet = centimeters ÷ 30.48 The length in feet is equal to the length in centimeters divided by 30.48. For example, here's how to convert 170 centimeters to feet using the formula above. feet = (170 cm ÷ 30.48) = 5.577428 ft So, 170 cm in feet is 5.577428. How to Convert cm to Feet and Inches Instead of seeing feet in decimal form, they are usually used with inches to represent a fraction of a foot. To convert cm to feet and inches, you'll need to follow a few extra steps. Step 1: Begin with the cm to feet conversion above to get the resulting feet in decimal form first. Step 2: Take the number to the left of the decimal as the number of whole feet. Step 3: Take the number to the right of the decimal point and convert it to inches. To do this, multiply it by 12, since there are 12 inches in one foot. Step 4: Round that result to the nearest whole number to get the number of inches. Step 5: Combine the number of whole feet and inches to get your final answer. Use our inch fraction calculator to convert decimal to fractional inches if needed. For example, to convert 170 cm to feet and inches, follow these steps: Begin by dividing the measurement in centimeters by 30.48 to get the total feet as a decimal. 170 cm ÷ 30.48 = 5.577428 ft Then, multiply the decimal remainder by 12. 0.577428 × 12 = 6.929136 Round this to the nearest whole number; in this case, 6.929136 can be rounded up to 7. This is the number of rounded inches. Put it all together by using the original whole number for the feet and the rounded decimal conversion as the inches. 170 cm = 5 ft 7 in Note that we use an "approximately equal" sign instead of an equal sign as we performed some rounding of the measurement since 170 centimeters is not exactly equal to 5 feet, 7 inches. You can validate this result using our height converter. Centimeters to Feet and Inches Conversion Chart The following table shows common lengths in centimeters and their equivalent heights in feet and inches. Our height comparison chart has a more comprehensive list of height conversions. Chart showing conversions from centimeters to feet and inches. Centimeters/Feet/Feet & Inches 5 cm 0.164042 ft 0 ft 2 in 10 cm 0.328084 ft 0 ft 3.9 in 15 cm 0.492126 ft 0 ft 5.9 in 20 cm 0.656168 ft 0 ft 7.9 in 25 cm 0.82021 ft 0 ft 9.8 in 30 cm 0.984252 ft 0 ft 11.8 in 35 cm 1.14831 ft 1 ft 1.8 in 40 cm 1.31233 ft 1 ft 3.7 in 45 cm 1.47641 ft 1 ft 5.7 in 50 cm 1.64041 ft 1 ft 7.7 in 55 cm 1.8045 ft 1 ft 9.7 in 60 cm 1.9685 ft 1 ft 11.6 in 65 cm 2.1325 ft 2 ft 1.6 in 70 cm 2.2966 ft 2 ft 3.6 in 75 cm 2.4606 ft 2 ft 5.5 in 80 cm 2.6247 ft 2 ft 7.5 in 85 cm 2.7887 ft 2 ft 9.5 in 90 cm 2.9528 ft 2 ft 11.4 in 95 cm 3.1168 ft 3 ft 1.4 in 100 cm 3.2808 ft 3 ft 3.4 in 105 cm 3.4449 ft 3 ft 5.3 in 110 cm 3.6089 ft 3 ft 7.3 in 115 cm 3.773 ft 3 ft 9.3 in 120 cm 3.937 ft 3 ft 11.2 in 125 cm 4.1011 ft 4 ft 1.2 in 130 cm 4.2651 ft 4 ft 3.2 in 135 cm 4.4291 ft 4 ft 5.1 in 140 cm 4.5932 ft 4 ft 7.1 in 145 cm 4.7572 ft 4 ft 9.1 in 150 cm 4.9213 ft 4 ft 11.1 in 155 cm 5.0853 ft 5 ft 1 in 160 cm 5.2493 ft 5 ft 3 in 165 cm 5.4134 ft 5 ft 5 in 170 cm 5.5774 ft 5 ft 6.9 in 175 cm 5.7415 ft 5 ft 8.9 in 180 cm 5.9055 ft 5 ft 10.9 in 185 cm 6.0696 ft 6 ft 0.8 in 190 cm 6.2336 ft 6 ft 2.8 in 195 cm 6.3976 ft 6 ft 4.8 in 200 cm 6.5617 ft 6 ft 6.7 in Centimeters and feet are both units used to measure length. Keep reading to learn more about each unit of measure. 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. The foot is a unit of length measurement equal to 12 inches or 1/3 of a yard. Because the international yard is legally defined to be equal to exactly 0.9144 meters, one foot is equal to 0.3048 meters [1] The foot is a US customary and imperial unit of length. Feet can be abbreviated as ft; for example, 1 foot can be written as 1 ft. Feet can also be denoted using the symbol, otherwise known as a prime, though a single-quote (') is often used instead of the prime symbol for convenience. Using the prime symbol, 1' can be written as 1'. Measurements in feet are most commonly taken using either a standard 12" ruler or a tape measure, though there are many other measuring devices available. Feet are sometimes referred to as linear feet, which are simply a measurement of length in feet. You might be interested in our feet and inches calculator, which can add feet with other units of measurement such as inches, centimeters, or meters. Learn more about feet. 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. ReferencesNational Institute of Standards and Technology, U.S. Survey Foot: Revised Unit Conversion Factors,

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