

## Chapter 1 : Convert Length Measurement Units | Distance Unit Calculator

*Sal discusses US customary units of length or distance such as inch, foot, and yard.*

Of these, the avoirdupois weight is the most common system used in the U. Apothecaries weightâ€”once used by pharmaciesâ€”has been largely replaced by metric measurements. Tower weight fell out of use in England due to legal prohibition in centuries ago, and was never used in the U. The imperial system, which is still used for some measures in the United Kingdom and other Commonwealth countries, is based on avoirdupois, with variations from U. The pound avoirdupois, which forms the basis of the U. Other units of mass are defined in terms of it. The avoirdupois pound is legally defined as a measure of mass , [16] but the name pound is also applied to measures of force. For instance, in many contexts, the pound avoirdupois is used as a unit of mass, but in some contexts, the term "pound" is used to refer to " pound-force ". The slug is another unit of mass derived from pound-force. However, while each system has some overlap in the names of their units of measure all have ounces and pounds , the relationship between the grain and these other units within each system varies. For example, in apothecary and troy weight, the pound and ounce are the same, but are different from the pound and ounce in avoirdupois in terms of their relationships to grains and to each other. To alleviate confusion, it is typical when publishing non-avoirdupois weights to mention the name of the system along with the unit. Precious metals, for example, are often weighed in "troy ounces", because just "ounce" would be more likely to be assumed to mean an avoirdupois ounce. For the pound and smaller units, the U. However, they differ when dealing with units larger than the pound. The definition of the pound avoirdupois in the imperial system is identical to that in the U. The grain is used to describe the mass of propellant and projectiles in small arms ammunition. It was also used to measure medicine and other very small masses. Grain measures[ edit ] In agricultural practice, a bushel is a fixed volume of The mass of grain will therefore vary according to density. Some nominal weight examples are:

## Chapter 2 : United States customary units - Wikipedia

*Distance measures length. For example, the length of a snake is how long the snake is. In the US customary system of measurement, the most common units of distance are inches, feet, yards, and miles.*

What do these tools have in common? Throughout the world, there are primarily two types of measurement systems that are used: In the United States, customary units, such as inches, feet, pounds, and gallons, are used. The rest of the world relies on the metric system of measurement. Metric units include centimeters, kilometers, grams, and liters. In this series, you will learn about the customary system of measurement used in the United States. Look at the question in the beginning of the lesson. Can you guess what type of measurement you will be learning about in this lesson by looking at the question and pictures? If you know the answer, tell your teacher or parent. In this lesson, you will be learning about customary units of length. A ruler and a tape measurer are both used to measure length. You will learn about the different tools used to measure length later in the lesson. Length describes the distance from one point to another point. Length can be as short as the distance from your eye to your nose, or it can be as long as the distance from the United States to China. Since distances of length can vary so much, scientists and mathematicians created different units of length that are used depending on how much length needs to be measured. The different customary units of length are inches, feet, yards, and miles. Think about all the ways you have used or have heard these terms used. Tell your teacher or parent about a time when you think you would use each unit. Make a thumbs-up sign with your hand. Then, move the tip of your thumb down. The distance from your knuckle to the tip of your thumb is about one inch. Inches are used to measure small objects, such as books, pencils, or a placemat. The next customary unit used to measure length is a foot. There are 12 inches in a foot. The distance from your elbow to your hand is about one foot. Feet are used to measure small and medium-sized objects, such as people, the size of a room, or the length of a couch. Another unit used to measure length is a yard. There are three feet in a yard. If there are three feet in a yard, can you figure out how many inches are in a yard? Tell the answer to your teacher or parent. There are 36 inches in a yard. Yards are used to measure large distances, such as a football field or garden. Finally, miles are also used to measure length. There are 5,280 feet in a mile. Miles are used to measure very large distances. Typically, when miles are being used, you are unable to see the other point you are measuring to from the starting point. Examples of when to use miles include figuring out the distance from your house to the market, or the distance from California to Florida. Copy the following chart onto a separate piece of paper:

## Chapter 3 : Measurement Worksheets

*Customary Measurement Length, Capacity, and Weight By Scott Mangum Mississippi Benchmark 2b - Determine appropriate units for measurement of mass, length, distance, volume, and time in the standard (English and metric) systems.*

## Chapter 4 : U.S. customary units: distance (video) | Khan Academy

*It is currently defined as the distance light travels in a vacuum in 1/299,792,458 second. The most common length units in the U.S. customary system are the inch, foot, yard and mile. Although there have been various historical definitions, the yard is currently defined as meters.*

## Chapter 5 : U.S. Customary Unit Conversion Worksheets

*The U.S. Standard Meter, in use until many U.S. customary units are defined in terms of the SI meter. This yard = 3600 / m = 3600 m was the standard of length in the United States until July 1, 1959, when a new definition took effect as a result of an agreement with the nations of the Commonwealth of Nations.*

## Chapter 6 : Distance and Length Converter - Online Units Conversion

*2b - Determine appropriate units for measurement of mass, length, distance, volume, and time in the standard (English and metric) systems. Customary Length 12 inches (in) = 1 foot (ft).*

## Chapter 7 : US Standard Lengths

*A rack unit, U or RU is a unit of measure that describes the height of equipment designed to mount in a inch rack or a inch rack. The inch ( mm) or inch ( mm) dimension refers to the width of the equipment mounting frame in the rack including the frame; the width of the equipment that can be mounted inside the rack is less.*

## Chapter 8 : US Customary units of length review (in, ft, yd, & mi) (article) | Khan Academy

*Lists U.S. customary and metric equivalencies for capacity, length and distance, and weight measurements. Back of chart features reproducible activities, subject information, and helpful tips. 17" x 22" classroom size.*

## Chapter 9 : Measurement - Distance and Length (USA Customary System of Measurement) on Vimeo

*A ruler, depicting two customary units of length, the centimetre and the inch A unit of length refers to any discrete, pre-established length or distance having a constant magnitude which is used as a reference or convention to express linear dimension.*