

Ounces To The Gallon

== Definitions == 981fa17a42 The IEEE standard symbol is: in3 981fa17a42 Today, most of the world prefers metric measurement by weight, though the preference for volume measurements continues among home cooks in the United States and the rest of North America. Different ingredients are measured in different ways: 981fa17a42 In internal combustion engines, the following abbreviations are used to denote cubic inch displacement: c.i.d., cid, CID, c.i., ci 981fa17a42 By the end of the 18th century, various systems of volume measurement... 981fa17a42 The US customary system has a set of units for fluids, it has a different measure for dry goods for the pint, quart and barrel, and a peck and bushel for dry goods only. The imperial system has only one set of measurements, defined independently of the US customary system. 981fa17a42 Volume may be measured either in terms of units of cubic length or with specific volume units. The units of cubic length (the cubic inch, cubic foot, cubic mile, etc.) are the same in the imperial and US customary systems, but they differ in their specific units of volume (the bushel, gallon, fluid ounce, etc.). 981fa17a42 The gallon currently has two definitions, one in the imperial system and another in the US customary system. 981fa17a42 There are four gills in a pint, two pints in a quart, and four quarts (quarter gallons) in a gallon, with the imperial gill being divided into five imperial fluid ounces and the US gill being divided into four US fluid ounces: this, and a slight difference in the sizes of the imperial fluid ounce and the US fluid ounce, give different sizes for the imperial gallon and US gallon. 981fa17a42 == History == 981fa17a42 == Implementation == 981fa17a42 The Weights and Measures Act 1824 was initially scheduled to go into effect on 1 May 1825. The Weights and Measures Act 1825 pushed back the date to 1 January 1826. The 1824... 981fa17a42 By the late 20th century, most nations of the former empire had officially adopted the metric system as their main system of measurement, but imperial units are still used alongside metric units in the United Kingdom and in some other parts of the former empire, notably Canada. 981fa17a42

Exchequer Standards in the midst of the ear, and twenty-pence do make an ounce, and twelve ounces one pound, and eight pound do make a gallon of wine, and eight gallons of The Exchequer Standards may refer to the set of official English standards for weights and measures created by Queen Elizabeth I (English units), and in effect from 1588 to 1825, when the Imperial units system took effect, or to the whole range of English unit standards maintained by the Court of the Exchequer from the 1200s, or to the physical reference standards physically kept at the Exchequer and used as the legal reference until the such responsibility was transferred in the 1860s, after the Imperial system had been established 981fa17a42

Having this shared heritage, the two systems are quite similar, but there are differences. The US customary system is based on English systems of the 18th century, while the imperial system was defined in 1824, almost a half-century after American independence. 981fa17a42 An imperial fluid ounce is 1/20 of an imperial pint, 1/160 of an imperial gallon, or exactly 28.4130625 mL. 981fa17a42 The cubic inch and the cubic foot are used as units of volume in the United States, although the common SI units of volume, the liter, milliliter, and cubic meter, are also used, especially in manufacturing and high technology. One cubic inch is exactly 16.387064 mL. 981fa17a42 Liquid ingredients are generally measured by volume worldwide. 981fa17a42 == Notation conventions == 981fa17a42

Comparison of the imperial and US customary measurement systems 924% smaller in the imperial system. Like the fluid ounce, the dram and minim are 3. 160 imperial fluid ounces is equivalent to one imperial gallon, which Both the British imperial measurement system and United States customary systems of measurement derive from earlier English unit systems used prior to 1824 that were the result of a combination of the local Anglo-Saxon units inherited from Germanic tribes and Roman units 981fa17a42

The imperial gallon (imp gal) is defined as 4.54609 litres, and is or was used in the United Kingdom and its former colonies, including Ireland, Canada, Australia, New Zealand, India, South Africa, Malaysia and some Caribbean countries, while the US gallon (US gal) is defined as 231 cubic inches (3.785411784 L), and is used in the United States and some Latin American and Caribbean countries. 981fa17a42 Historically, there were many definitions and redefinitions... 981fa17a42 == Volume == 981fa17a42 == Historical development == 981fa17a42 The IEEE standard symbol for both the imperial and US gallons is gal, not to be confused with the gal (symbol: Gal), a CGS unit of acceleration. 981fa17a42 The modern UK legislation defining the imperial system of units is given in the Weights and Measures Act 1985 (as amended). 981fa17a42 After its independence, the United States continued some British measures including the "wine gallon" (which was used to define the U.S. liquid gallon) but did not adopt the Imperial gallon when it was introduced in 1824. In the late 19th century, liquor in the U.S. was often sold in bottles... 981fa17a42 One cubic foot is equal to exactly 1,728 cubic inches (28.316846592 L), as 123 = 1728. 981fa17a42 The Exchequer standards made in the reign of Queen Elizabeth were not authorized by any statute. The standards were ordered by the royal authority, as appears from a roll of Michaelas terms in the 29th Elizabeth, preserved in the Queen's Remembrancer's Office, and containing the royal proclamation. 981fa17a42 The United States uses customary units in commercial activities, as well as for personal and social use. In science, medicine, many sectors of industry, and some government and military areas, metric units are used. The International System of Units (SI), the modern form of the metric system... 981fa17a42

Apothecaries' system For a long time, medical recipes were written in Latin, often using special symbols to denote weights and measures. It divides a pound into 12 ounces, an ounce into 8 drachms, and a drachm into 3 scruples of 20 grains each. This exact form of the system was used in the United Kingdom; The apothecaries' system, or apothecaries' weights and measures, is a historical system of mass and volume units that were used by physicians and apothecaries for medical prescriptions, and also sometimes by scientists. The English version of the system is closely related to the English troy system of weights, the pound and grain being exactly the same in both. The apothecaries' system of measures is a similar system of volume units based on the fluid ounce. pound into 12 ounces, an ounce into 8 drachms, and a drachm into 3 scruples of 20 grains each. This exact form of the system was used in the United Kingdom; in some of its former colonies, it survived well into the 20th century 981fa17a42

The use of different measure and weight systems depending on the purpose was an almost universal phenomenon in Europe between the decline of the Roman Empire and metrication. This was connected with international commerce, especially with the need to use the standards of the target market and to compensate for a common weighing practice that caused a difference between actual and... 981fa17a42

Fluid ounce The British Imperial, the United States customary, and the United States food labeling fluid ounce are the three that are still in common use, although various definitions have been used throughout history. oz. 35 g), a relationship which A fluid ounce (abbreviated fl oz, fl. or oz. This made the mass of a fluid ounce of water one avoirdupois ounce (28. , old forms □, fl □, f□, f □) is a unit of volume (also called capacity) typically used for measuring liquids. fl. there were 160 imperial fluid ounces to the gallon 981fa17a42

The National Electrical Code established the cubic inch as the conventional unit in North America for measuring the usable volume of electrical boxes. A "cu in" rating is embossed on each box. 981fa17a42 The following abbreviations have been used to denote the cubic inch: cubic in, cu inch, cu in, cui, cu. in. 981fa17a42 In most... 981fa17a42 The imperial system developed from earlier English units as did the related but differing system of customary units of the United States. The imperial units replaced the Winchester Standards, which were in effect from 1588 to 1825. The system came into official use across the British Empire in 1826. 981fa17a42

Gallon (quarter gallons) in a gallon, with the imperial gill being divided into five imperial fluid ounces and the US gill being divided into four US fluid ounces: this The gallon is a unit of volume in British imperial units and United States customary units 981fa17a42

The Exchequer Standards were so called because their repository had always been the Court of the King's Exchequer. 981fa17a42

Fifth (unit) S. fluid ounces (757 milliliters); it has been superseded by the metric A fifth is a unit of volume formerly used for wine and distilled beverages in the United States, equal to one fifth of a US liquid gallon, or 25+3⁄5 U. beverages in the United States, equal to one fifth of a US liquid gallon, or 25+3⁄5 U. fluid ounces (757 milliliters); it has been superseded by the metric bottle size of 750 mL, sometimes called a metric fifth, which is the standard capacity of wine bottles worldwide and is approximately 1% smaller. S 981fa17a42

Cubic inch 576744 imperial fluid ounces ≈1. 0288372 imperial pints ≈0. 0144186 imperial quarts ≈0. It is the volume of a cube with each of its three dimensions (length, width, and height) being one inch long which is equivalent to 1/231 of a US gallon. 153488 imperial The cubic inch (symbol in3), sometimes abbreviated cu in, is a unit of volume in the Imperial units and United States customary units systems. 1153488 imperial gills ≈0. 00360465 imperial gallons ≈0 981fa17a42

Notably, Elizabeth I's redefinition of these standards instituted the English Doubling System, whereby each larger liquid measure equals exactly two of the next-smaller measure. 981fa17a42 The fluid ounce is distinct from the (international avoirdupois) ounce as a unit of weight or mass, although it is sometimes referred to simply as an "ounce" where context makes the meaning clear (e.g., "ounces in a bottle"). A volume of pure water measuring one imperial fluid ounce has a mass of almost exactly one ounce. 981fa17a42

Imperial units 54 kg) The imperial system of units, imperial system or imperial units (also known as British Imperial or Exchequer Standards of 1826) is the system of units first defined in the British Weights and Measures Act 1824 and continued to be developed through a series of Weights and Measures Acts and amendments. The 1824 act defined as the volume of a gallon to be that of 10 pounds (4. became known as the imperial gallon), a unit close in volume to the ale gallon 981fa17a42

Dry bulk ingredients, such as sugar and flour, are measured by weight in most of the world ("250 g flour"), and by volume in North America ("1/2 cup flour"). Small quantities of salt and spices are generally measured by volume worldwide, as few households have sufficiently precise balances to measure by weight. 981fa17a42 The majority of U.S. customary units were redefined in terms of the meter and kilogram with the Mendenhall Order of 1893 and, in practice, for many years before. These definitions were refined by the international yard and pound agreement of 1959. 981fa17a42 For most of history, most cookbooks did not specify quantities precisely, instead talking of "a nice leg of spring lamb", a "cupful" of lentils, a piece of butter

"the size of a small apricot", and "sufficient" salt. Informal measurements such as a "pinch", a "drop", or a "hint" (soupçon) continue to be used from time to time. In the US, Fannie Farmer introduced the more exact specification of quantities by volume in her 1896 Boston Cooking-School Cook Book. 981fa17a42 A US food labeling fluid ounce is exactly 30 mL. 981fa17a42 == Comparison to the ounce == 981fa17a42

Cooking weights and measures 785 litres). 2 US gallons or 4. fluid ounces; about 1. 83 UK gallon or 3. 546 litres). In the 20th In recipes, quantities of ingredients may be specified by mass (commonly called weight), by volume, or by count. The US gallon is 8 US pints (128 US fluid ounces; about 0 981fa17a42

Before the mid-19th century, the capacity of British alcohol bottles used for wine and distilled liquors was nominally a quart, but the actual capacity varied considerably. Four primary styles existed, with different average capacities: 759 ± 27 mL (715–810 range); 781 ± 47 mL (724–880); 808 ± 49 mL (739–835); and at approximately 1130 mL, the "imperial wine quart". Beer and cider bottles also had a different range of sizes. In 1842, it was reported that ordinary wine bottles were 1/6 of an imperial gallon, that is, 758 mL. 981fa17a42 A US customary fluid ounce is 1/16 of a US liquid pint, 1/128 of a US gallon, or exactly 29.5735295625 mL, making it about 4.084% larger than the imperial fluid ounce. 981fa17a42

United States customary units units are essentially similar to their imperial counterparts, there are noticeable differences between the systems. S. territories since being standardized and adopted in 1832. became an independent country. S. The United States customary system developed from English units that were in use in the British Empire before the U. 041 ounces avoirdupois. S. Consequently, while many U. Consequently, a fluid ounce of water weighs about 1. For nutritional labeling and medicine in the US, the teaspoon United States customary units form a system of measurement units commonly used in the United States and most U. of a US gallon. The United Kingdom's system of measures evolved by 1824 to create the imperial system, with imperial units, which was officially adopted in 1826, changing the definitions of some of its units 981fa17a42

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