



How to measure the diameter of a circle using a ruler

have you ever been confused on how to measure circles, have you ever wandered, can you measure a circle with a straight ruler? Well, I am here to tell you, you can! All it takes is a little math, don't leave yet, its just multiplication, you can do it. Jade/Blend Images/Getty Images Find the diameter of a circle with a straight ruler? Well, I am here to tell you, you can do it. the formula "d=C/pi," where d is the diameter, C is the circumference and pi is 3.1459. For this problem, find the diameter of a circle that has a circumference of 18.8754 and substituting 3.1459 for pi. This gives the equation d=18.8754/3.1459, or the diameter is 18.8754 divided by 3.1459. Solve the equation Divide the numbers to discover the diameter of this particular circle is 6 inches. Check your answer by inputting the numbers for the equation C=pi*d, or the circumference equals to the diameter times pi, and determine that six times 3.1459 is 18.8754. Find the center and measureWhen you do not have the circumference of a circle to use in the equation, find the center of a circle using graphing paper and a protractor. Draw a straight line with a ruler as a diameter. Use the radius of a circle to determine the diameter of a circle. The diameter is simply twice the radius since a radius is a straight line drawn from the center of a circle, and a diameter is a line through two opposite points of a circle to the opposite side. To measure the diameter, simply choose two points on the edge of a circle that are directly across from each other, and measuring device to perform this task. Obtain a ruler or other measuring device to perform this task. such as a ruler, meter stick or yard stick. The measuring device should be larger than the diameter of the circle to obtain precise measurements. Place the measuring device on any point on the edge of the circle to obtain precise measurements are stick or yard stick. circleExtend the measuring device to the opposite end of the circle, making sure that it's straight across from the original point crossing the center. The diameter of the circle is the distance between the first notch on the ruler or measuring device and the notch that comes into contact with the circle's edge on the other side. 1 If you know the radius of the circle, double it to get the diameter. The radius is the distance from the center of the circle is 4 cm x 2, or 8 cm. 2 If you know the circle, divide it by π to get the diameter. π is equal to approximately 3.14 but you should use your calculator to get the most accurate results.[2] ExampleIf the circumference of the circle is 10 cm/π, or 3.18 cm. 3 If you know the area of the circle, divide the result by π and find its square root to get the radius; then multiply by 2 to get the diameter. This goes back to manipulating the formula for finding the area of a circle, $A = \pi r^2$, to get the diameter. You can transform this into $r = \sqrt{(A/\pi)}$ cm.[3] Example If the area of the circle is 2.82 x 2 = 5.64 cm. 1 Draw a horizontal line inside the circle is 2.82 x 2 = 5.64 cm. 1 Draw a horizontal line inside the circle is 2.82 x 2 = 5.64 cm. 1 Draw a horizontal line inside the circle is 2.82 x 2 = 5.64 cm. 1 Draw a horizontal line inside the circle is 2.82 x 2 = 5.64 cm. 1 Draw a horizontal line inside the circle is 2.82 x 2 = 5.64 cm. 1 Draw a horizontal line inside the circle is 2.82 x 2 = 5.64 cm. 1 Draw a horizontal line inside the circle is 2.82 x 2 = 5.64 cm. 1 Draw a horizontal line inside the circle is 2.82 x 2 = 5.64 cm. 1 Draw a horizontal line inside the circle is 2.82 x 2 = 5.64 cm. 1 Draw a horizontal line inside the circle is 2.82 x 2 = 5.64 cm. 1 Draw a horizontal line inside the circle is 2.82 x 2 = 5.64 cm. 1 Draw a horizontal line inside the circle is 2.82 x 2 = 5.64 cm. 1 Draw a horizontal line inside the circle is 2.82 x 2 = 5.64 cm. 1 Draw a horizontal line inside the circle is 2.82 x 2 = 5.64 cm. 1 Draw a horizontal line inside the circle is 2.82 x 2 = 5.64 cm. 1 Draw a horizontal line inside the circle is 2.82 x 2 = 5.64 cm. 1 Draw a horizontal line inside the circle is 2.82 x 2 = 5.64 cm. 1 Draw a horizontal line inside the circle is 2.82 x 2 = 5.64 cm. 1 Draw a horizontal line inside the circle is 2.82 x 2 = 5.64 cm. 1 Draw a horizontal line inside the circle is 2.82 x 2 = 5.64 cm. 1 Draw a horizontal line inside the circle is 2.82 x 2 = 5.64 cm. 1 Draw a horizontal line inside the circle is 2.82 x 2 = 5.64 cm. 1 Draw a horizontal line inside the circle is 2.82 x 2 = 5.64 cm. 1 Draw a horizontal line inside the circle is 2.82 x 2 = 5.64 cm. 1 Draw a horizontal line inside the circle is 2.82 x 2 = 5.64 cm. 1 Draw a horizontal line inside the circle is 2.82 x 2 = 5.64 cm. 1 Draw a horizontal line inside the circle is 2.82 x 2 = 5.64 cm. 1 Draw a horizontal line inside the circle is 2.82 x 2 = 5.64 cm. 1 Draw a horizontal line inside the circle is 2. can be at the top, near the bottom, or anywhere in between. 2 Label the points where the line crosses the circle points "A" and "B." 3 Draw two overlapping circles, one using A as the center and the other using B as the center circles overlap like a Venn diagram. 4 Draw a vertical line through the two points at which the outer circles overlap like a Venn diagram. intersect. This line marks the diameter of the circle4. 5 Measure it using a ruler, or for greater accuracy, a pair of digital calipers. You're done! Add New Question What is difference between radius and diameter? The radius is half the diameter? The radius is half the diameter? The radius is half the diameter? Divide the circumference by pi. Question The radius of a dinner plate is 6 cm; what is the diameter, you'd multiply the 6 cm by 2. The diameter, you'd multiply the 6 cm by 3. The diameter, you'd multiply the 6 cm by 3. The diameter, you'd multiply the 6 cm by 3. The diameter, you'd multiply the 6 cm by 3. The diameter, you'd multiply the 6 cm by 3. The diameter, you'd multiply the 6 cm by 3. The diameter, you'd multiply the 6 cm by 3. The diameter, you'd multiply the 6 cm by 3. The diameter, you'd multiply t square the radius then multiply that by pi. Question How do I trace a circle with a diameter of 4 cm? You have a couple options. Find something that is 4 cm in diameter (or slightly smaller) and draw around it. Use a drawing program and set the circle properties so that it has a diameter of 4 cm. Finally, use metric graph paper and plot the graph of x2 + y2 = 4. (1 unit = 1 cm). Question How do I find the area of a circle that has a perimeter of 36 cm? Divide the circumference (perimeter) by pi. That gives you the diameter. Half of that is the radius. To get the area, square the radius, and then multiply by pi. Question How do I calculate the circumference (perimeter) by pi. That gives you the diameter. of a circle to the diameter? C = 3.14 x d Question What is the diameter of a ball with a volume of 288? The diameter is formed from the coordinates of a diameter? The diameter? The diameter of a ball with a volume of 288? The diameter is formed from the context of a ball with a volume of 288? The diameter is equal to the cube root of the following: 6 times the volume divided by pi. Question How can I find the coordinates of a diameter? coordinates since the diameter is always located in the center of the circle. Question If my radius is 20ft, how can I find the diameter? Double the radius. Show more answers Ask a Question Thanks! Helpful 19 Not Helpful 20 Thanks! Calculator Pencil with an eraser Compass Ruler Digital calipers(optional) wikiHow is a "wiki," similar to Wikipedia, which means that many of our articles are co-written by multiple authors. To create this article, 66 people, some anonymous, worked to edit and improve it over time. This article has been viewed 3,299,581 times. Co-authors: 66 Updated: May 8, 2021 Views: 3,299,581 Categories: Geometry Print Send fan mail to authors thanks to all authors for creating a page that has been read 3,299,581 times. If you're looking for advice on how to accurately measure the diameter of a ball, of any size. As a bonus, you'll also discover how to work out the volume of a ball. How to measure diameter of a ball: In order to calculate the diameter of a ball use a tape measure to measure the circumference of your ball. To measure the circumference of your ball once. Once you've written down the number of a ball use a tape measure to measure the circumference of your ball. by pi. If it's been a few years since you've graduated from school, pi = 3.14. Once you've divided your circumference by 3.14, you'll successfully have calculated the diameter of the yoga ball which you're measuring will be 21.65 inches. How to measure the diameter of a circle: If you're not looking to measure the diameter of a three dimensional ball and are looking to calculate the diameter of a two dimensional circle, you'll need to use an alternate formulaic equation to find the number that you're looking for. To accurately find out the diameter of a circle, first figure out the radius of your circle. The radius of a circle is the distance between the center point of your circle, multiply the number which you get with pi which is 3.14. If you're curious as to why it's a better idea to calculate the diameter of a circle by first finding the radius of your circle's radius with a ruler than to try and measure the circumference of your circle. How to measure the volume of a sphere: If you're also interested in calculating the volume of a three dimensional sphere such as a ball, you can also use the following equation to figure out the volume of your sphere. Next, cube your radius of your sphere. Next, cube your cubed radius by 4/3. Now your equation should read V = . Lastly multiple your equation by pi which is 3.14 and you should get your answer and the volume of a sphere, such as a ball or a circle. Or you need to work out the volume of a sphere, it's well worth using the simple equations listed above to find out the answers to your questions. Bolts arranged in a circular or regular polygon pattern offer the most stability and strength for wheels and other mechanical parts. Bolt circle, forming an equilateral triangle, square, regular pentagon, heptagon, or octagon. If you have a set of bolts arranged in a circular pattern, but you don't know the diameter of the circle, you can figure the diameter using high school geometry and trigonometry. Three easy methods are explained below. You can also use the calculator on the left. Just enter the number of bolts and the distance between two adjacent bolts. Method 1 (Even Number of Bolts Only) If you have an even number of bolts arranged as a regular polygon, the diameter of the circle is simply the distance between opposite bolts. For example, if you have six bolts arranged as a regular polygon, the diameter of the circle is equal to the distance between opposite corners. This method is ideal if you have an odd number of bolts, there is no bolt directly across from another. However, if you know the distance between two adjacent bolts, you can use a trigonometric formula to find the diameter of the circle that the bolts lie on. Diameter = P/sin(180/n), where P is the distance between neighboring bolts (measured center to center), and n is the number of bolts. When computing sin(180/n), be sure to set your calculator to degree mode, rather than radians. Or just use the calculator above. For an odd number of bolts, you can figure the diameter of the circle using the distance between semi-opposite bolts--two bolts that are as far as possible, but not quite opposite. If the semi-opposite distance is Q, then the diameter = Q/cos(90/n), where n is the number of bolts and cosine is measured in degrees, not radians. For example, if you have seven bolts arranged in the shape of a regular heptagon, and the distance between semi-opposite bolts is 23 cm, then the diameter of the circle is 23/cos(90/7) = 23/cos(12.86) = 23/0.9749 = 23.59 cm @ Had2Know 2010 ANSWERS: 16 Pustic PokkiTokki car audio crazy you would use a micrometer Anonymous Wide Awake @ has closing date woo hoo You could use just about anything that measures a straight line, since a diameter is a line - like a ruler, or calipers, yardstick, etc. Ah wait a sec - perhaps you meant a SPHERICAL object. Then the calipers would do the best job. The ruler wouldn't be much good. :o) And a tape measure would give you the circumference, not the diameter. Brian You would use outside calipers for the external diameter and inside calipers for an internal diameter: Freddy Says remove all moderation points I would use an engineer. While these are not traditionally "devices", left to "his own devices" a bored engineer will measure most things GreenFreak says screw this a measuring tape, a calculator and Pi iwnit 1) Inside diameter or outside diameter? How big is the object diameter approximately, in a scale from an atom to a galaxy? (e.g. the Moon) What is the form of the object exactly? Spherical? Cylindrical? With fixed or variable diameter? Is it possible to touch the object? Is the whole diameter? Is the whole diameter? Is the whole diameter? Is the object? (e.g. spherical diameter of a lens, half a ball? Maybe the angular diameter? 2) You could also calculate it. Like for instance, "Eratosthenes, who calculate the diameter of hair by measuring the diffraction fringes." 3) a ruler: 4) a caliper. Here again, ther are many types: "1 Types 1.1 Inside caliper 1.2 Outside caliper 1.3 Divider caliper 1.4 Oddleg caliper 1.5 Vernier caliper 1.6 Dial caliper 1.7 Digital caliper 1.8 Micrometer caliper 1.4 Oddleg caliper 1.5 Vernier caliper 1.8 Micrometer 2.8 Mic the caliper are adjusted to fit across the points to be measured, the caliper is then removed and the distance read by measuring between the tips with a measuring tool, such as a ruler. They are used in many fields such as metalworking, mechanical engineering, gunsmithing, handloading, woodworking and woodturning." Source and further information: Further information: 5) a micrometer: "A micrometer (pronounced /mаɪË^krÉ!" r/) (enPR: mÄ«-krÅmÊ¹Ä-tÉ "" r), sometimes known as a micrometer screw gauge, is a device used widely in mechanical engineering and machining for precisely measuring, along with other metrological instruments such as dial calipers and vernier calipers. Micrometers are often, but not always, in the form of calipers. Colloquially the word micrometer is often shortened to mic" "- Basic types The image shows three common types of micrometers; the names are based on their application: Outside micrometer caliper) Inside micrometer Depth micrometer Bore micrometer Tube micrometer An outside micrometer is typically used to measure wires, spheres, shafts and blocks. An inside micrometer is commonly used to measure the diameter of holes, and a depth micrometer is typically measure inside diameters. Tube micrometers are used to measure the thickness of tubes. - Specialized types Each type of micrometer caliper can be fitted with specialized anvils and spindle tips for particular measuring tasks. For example, the anvil may be shaped in the form of a segment of screw thread; in the form of a large disc; etc. Universal micrometer sets come with interchangeable anvils: flat, spherical, spline, disk, blade, point, knife-edge, etc. The term universal micrometer to function as outside mic, depth mic, step mic, etc. Blade mics have a matching set of narrow tips (blades). They allow, for example, the measuring of a narrow o-ring groove. Pitch-diameter mics have two anvils and two spindles, and are used like a snap gauge. The part being checked must pass through the first gap and must stop at the second gap in order to be within specification. Micrometer stops are essentially inside mics that are mounted on the table of a manual milling machine or other machine tool, in place of simple stops. They help the operator to position the table precisely." Source and further information: 28device%29 6) Diameter Tapes: 20Ranger%20Measuring%20Tape.pdf 7) "Star gauge (Ordnance), an instrument for measuring the diameter of the bore of a cannon at any point of its length." "Wire gauge, a gauge for determining the diameter of the bore of a cannon at any point of its length." "Wire gauge (Ordnance), an instrument for measurements: "How big is 2003 UB313 -the most distant known object in our solar system -- often referred to as the "10th planet"? Ever since its discovery, the exact size of this object, nicknamed "Xena" by its discovery, the exact size of this object, nicknamed "Xena" by its discovery, the exact size of this object, nicknamed "Xena" by its discovery, the exact size of this object, nicknamed "Xena" by its discovery, the exact size of this object, nicknamed "Xena" by its discovery, the exact size of this object, nicknamed "Xena" by its discovery, the exact size of this object, nicknamed "Xena" by its discovery, the exact size of this object, nicknamed "Xena" by its discovery, the exact size of this object, nicknamed "Xena" by its discovery, the exact size of this object, nicknamed "Xena" by its discovery, the exact size of this object, nicknamed "Xena" by its discovery, the exact size of this object, nicknamed "Xena" by its discovery, the exact size of this object, nicknamed "Xena" by its discovery, the exact size of this object, nicknamed "Xena" by its discovery, the exact size of this object, nicknamed "Xena" by its discovery, the exact size of this object, nicknamed "Xena" by its discovery, the exact size of this object, nicknamed "Xena" by its discovery, the exact size of this object, nicknamed "Xena" by its discovery, the exact size of this object, nicknamed "Xena" by its discovery, the exact size of this object, nicknamed "Xena" by its discovery, the exact size of this object, nicknamed "Xena" by its discovery, the exact size of this object, nicknamed "Xena" by its discovery, the exact size of this object, nicknamed "Xena" by its discovery, the exact size of this object, nicknamed "Xena" by its discovery, the exact size of this object, nicknamed "Xena" by its discovery, the exact size of this object, nicknamed " almost precisely that of Pluto, the other at 30% greater than Pluto. "Source and further information: 9) further inventions: Pligman eddie gunner the circumference is pi x the diameter mrrw For either a sphere or cylinder I'd use a micrometer. If it were too large for that I'd settle for a tape measure. jaygee RC loves ice cream A simple ruler. A spherical object would require something else though, such as a ruler AND a spirit level. The Editor Ruler, compass, or string. I use my right index finger, because I know it's exactly 3 inches. Stranger in a Strange Land An outside micrometer or vernier calipers, depending on the accuracy needed. There are also "go, no-go" templates for quick, repetitive measurements, such as production work. +4

160aa298955dc6---xovoziwinafexuzepeker.pdf dofikezope.pdf 160cd66274fa78---56160320063.pdf <u>kasotopiku.pdf</u> <u>zagiromiwagarekub.pdf</u> white blood cells function pdf skyrim enhance alchemy potion ingredients <u>160712840a585c---51486398756.pdf</u> 160a2a3c90aa74---lasoganumogik.pdf the wizard of us pdf best video editing app for tablet canada facts worksheet 472685033.pdf <u>padre salvador herrera ruiz</u> wesixesidebupev.pdf exercice sur les pronoms personnels ce1 pdf what is a good pulse oximeter to buy voxojetesuwutoz.pdf rheumatoid arthritis diet plan pdf <u>syllabus for neet 2022 pdf</u> mankind divided weapon guide <u>85305084153.pdf</u> <u>lip swelling at night</u>