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What does it mean to write your answer in terms of pi

When the question says Write your answer in terms of pi., it means that if you worked the problem correctly, then you had to use (pi) to solve it, and (pi) appears in the answer you have. They're... The formula for the circumference of a circle is C = pi *diameter, so connect 7 for the diameter. The answer is c = 7pi. To write an answer in terms of pi, it would be something like 2pi, 3pi,... In the case of pi means that if your makes volume of a sphere the answer you get by using the formula (4 over 3) times pi radius cubic and get your response with pi and your unit cubic after it. Then... A stands for area, π stands for Pi and r is the radius of the circle (the distance halfway across). Example 1 Figure out the area of circle that has a radius of 7m, giving your answer in terms of Pi. All you have to do is replace r = 7 in A = πr² Help #3 Volume of a cone: Exact answers in terms of pi. Find the volume of a cone with a base radius of 4ft and a height of 9ft. Type the exact volume in terms of pi, and be sure to include the correct device in your response. To a mathematician, the answer in terms of pi is nicer, because it is accurate - there is no rounding involved. There is something else that binds all these views together: the safest way to be sure your answer is correct is to work with exact values right up to the end, and only then use the actual value of pi. Radiance is in terms of pi. Or rather, pi is in radians. So, what you want to know is how many pi are in 6.63225 radians. Simply divide by pi. Divide 6.63225 by pi (3.14): 6.63225/3.14 = 2.1121815 pi What is arctan(-1), write your answer in radians in terms of pi? Trigonometry Inverse Trigonometric Functions Basic Inverse Trigonometric Functions 1 Answer Be sure that pi is an irrational number. This means that it cannot be written as a fraction. As a decimal place, it will be a number that never takes and never repeats. So when we calculate the area, we will either have to leave the answer in the form of pi or round the answer. Guess you mean in terms of Pi radians, I guess you're looking for x*Pi=-0.983, which is simple algebra. This gives you about -0.313Pi. February 20, 2010 Formula for the length of an arc is : Pi times diameter = circumference, and there are 360 degrees in a circle Pi times diameter times (degrees in arc/360) 36 pi times 135/360 Leave your answer in terms of pi. It's less work and more accurate! Leave your answer in terms of pi. It's less work and more accurate! Skip navigationA sign in. Search. A) Type a formula for the number pi, in terms of the circumference L and the area A of a circle. Pi(A,L) = ? Pi(A,L) = ? b) Write the differential for your answer, part A DPI = C) assume that L and A are determined experimentally. write a reply in terms of Pi; Sign up now! It's Free Math Help Boards We are an online community that provides free math help anytime of the day if any problem, no matter what level. You must register before you can post. To start viewing messages, select the forum that ... This video shows you how to express degrees in radians in the form of pi. Typing the answer in terms of pi does not mean using 3.14 for pi. Circumference: C = pi times diameter You made the radius to be 5 cm. The diameter is TWICE the radius or 10 cm.C = 10pi ===== The area of a circle is indicated by A = pi(r^2). Just plug and chug. A = pi(5^2) A = 25pi I want to know, how you could turn a number into pi using a calculator. which buttons do you press and in what order. for example how would I turn the number 16.10865238 in terms of pi. thankyou Update: what I mean, is how I write this number in terms of pi, using a calculator to help me. write your answer in Radiance in the form of Pi, and use or button as needed. Example: This problem has been resolved! See the answer. View transcribed caption. Best response 100% (1 rating) Considering: We want all solutions ---- . Just put the number first followed by Pi. So in example 2 you are asked to figure out the circumference of a circle of radius 4.5 cm leaving your answer in terms of Pi: C = Pid C = Pix9 C = 9Pi Question: Find all solutions of the equation in the range [0, 2 Pi). Tan Theta - 1 = 0 Write your answer in radians in terms of pi. If there is more than one solution, separate them with commas. For starters, remember that pi is a number, written with the symbol π. π is about equal to 3.14. Then the formula for working out the circumference of the circle: Circle circumference = π x Diameter of circle. which we usually write in abbreviated form C = πd. This tells us that the circumference of the circle is three ... As pi is the ratio of the circumference (C) of any circle to its diameter (d), the circumference of a circle in terms of pi is: C = pi x d The circumference of a circle is pi times ... Find all solutions to the equation. 4 sin^2 x - 4 sin x = - 1 Write your answer in radians in terms of pi, and use or button Example: x = pi/5 +2k pi, k Element Z or x = pi/7 + k pi, k Element Z n x = pi/6 + 2k pi, k Element Z or x = 5 pi/6 + 2k pi, k Element Z Question: Give your answer in Radians In Terms Of Pi. If there is more than one solution, separate them with commas. If there is more than one solution, separate them with commas. Viewing in terms of pi. Read more about pi, display . You used fprintf() with no named output target for the header, and you do so before opening the output file. You can put this solution on your website! Leave answers in terms of Pi.. 1. Find the perimeter of a circle with radius 8? C = 2 * R * pi = 2 * 8 * pi = 16pi 2. Find the area in a circle with radius 4? Mark, a math enthusiast, loves writing tutorials for stumped students and those who need to freshen up their math skills. Learn how to calculate the area in a circle and express your answer in terms of pi. Canval this article, I will show you how to find the area of a circle and express your answer in terms of pi (π). First you need to familiarize yourself with the formula for calculating the area of a circle:A = π * r²Let's define our variables:A: the area of the circle π: pi (a mathematical constant that is roughly equal to 3.141492 . . .) r: the radius of the circle (the distance from the center of the circle to its edge) Typically, to find the area of a circle, we would simply connect the radius for r and 3.141592 for π. If so, our answer would be a number. How do you get an answer in terms of pi (π)? To express your answer in terms of pi, simply refrain from pi's numerical value for its symbol in the equation. That way, your answer will look like xπ where x is whatever number you come with, and π is simply a placeholder for pi value (3.141582 . . .). Essentially, by expressing your answer in the form of pi, you cut a step out of your calculation. Let's take a look at some examples. Example Problems With processes and solutionsIn each of the following example problems, we'll work through the process of finding a circle area when it comes to pi using only its radius or diameter. Example 1Work out the area of a circle that has a radius of 7 m. Give your answer in terms of pi. All you have to do is replace 7 for r in A = π * r²A = π * r²A = π * 7²A = π * (7 * 7)A = π * 49A = 49πSo the final answer is 49π m2 (put the number before pi and put your answer in terms of the relevant units squared). Example 2Work out the area of circles that have a diameter of 22 cm. Give your answer in terms of pi. This time, the diameter (the distance all the way over the circle, or twice its radius) is given, so we need to halve this to give the radius. Since the diameter is 22 cm, the radius is 11 cm, or half of it. A = π * r²A = π * 11²A = π * (11 * 11)A = π * 121A = 121πSo the final answer is 121π cm² (put the number before pi and put your answer in terms of the relevant units squared). This circular lawn has a radius of 13m, so our response with be in square metres. Example 3Work out the area of the circular lawn as shown in the image above. Give your answer in terms of pi. This lawn radius is 13 m, so we need to plug this value into the formula. A = π * r²A = π * 13²A = π * (13 * 13)A = π * 169A = 169πSo the final answer is 169π m² (put the number before pi and put your answer in terms of the relevant units squared). This content is accurate and true to the best of the author's knowledge and is not meant to replace formal and individualized advice from a qualified professional. Questions & AnswersQuestion: Find the area of a circle with diameter, d = 8m. Give your answer in terms of π ? Answer: First divide 8 by 2 to give a radius of 4m. Now square 4 to give 16, and multiply 16 by π to give 16π m ^ 2.Question: Can you figure out the circumference of a semicircle with a radius of 3cm? Give your answer in terms of pi? Answer: To calculate cirumference multiply the diameter by pi. The diameter is 6, and so 6 multiplied by Pi is 6Pi. You can leave the answer as 6Pi and the question is to ask for an exact answer and not a decimal answer. Question: The circumference of a circle is 18π inches, so what is the area in terms π? Answer: Divide the 18π by π to give the diameter of the circle giving 18.Half 18 to give a radius of 9.Now use πr^2 to give the area coming to 81π . Q: Can you figure out the area of a semicircle with a radius of 3cm? Answer: Square radius give 9.Multiply by Pi to give 28,274...Now divide this answer by 2 to give 14.1 cm^2 rounded to 1 decimal place. (Divide by 2 because a semicircle is half the surface of a circle.) Question: What is the area of this quarter circle of radius 8 cm?Answer: First square radius to give 64 and multiply it by Pi (3.14) to give 201.06...Now divide 201.06 by 4 to give 50.3 cm ^ 2 rounded to 1 decimal. Question: A circle has circumference of 27cm. What is the area of the circle? (use 3.14 for pi) Answer: First divide 27cm by Pi to give the diameter of the circle (27 divided by 3.14 = 8.59...). Now halve the diameter to give the radius (8.59 divided by 2 is 4.29 ...). Now use Pi*r^2 to find the area in the circle (Pi times 4.29^2 = 58.0 cm^ 2 to 1 decimal). Question: The diameter of a circle is 3.3, what is that area? Answer: First half the diameter of the circle to give the radius that is 1.65.Now square raidus and multiply it by 3.14 to give the final answer (8.55 to 2 decimal places). Question: What is the circumference of a semicircle with a diameter of 86cm? Write the answer as an expression in terms of π? Answer: First multiply the diameter by Pi to give 86π. Next half 86π to give 43π (this is the arc length). Next addition on the diameter to give a final expression of 43π + 86.Question: What is the area of a circle whose diameter is 10cm? Answer: First half of the diameter (10) to give the radius, so 10 divided by 2 is 5.Now square radius that is 25 (5 ^ 2)Now multiply 25 by Pi to give 25Pi.Om you want your answer as a decimal place then multiply 25 by 3.14 to give 78.5 to 1 decimal. Q: How do you work out the area in a circle using the diameter and get the answer in Pi? Answer: First half the diameter of the circle to give the radius. Next square radius. The last step is to multiply the radius by Pi, but because you want the answer in terms of Pi put the number to the last step followed by Pi.Question: What is the area (in terms of pi) of a circle with a radius of 13? Answer: First square 13 that is 169, and then multiply the answer by Pi to give 169Pi.Question: Find a area of a circle with a radius of 15cm? Give your answer in terms of pi? Answer: Square the radius and multiply by Pi. 15^2 is 225, so the answer is 225Pi. Just leave pi is the end of the number. Question: Can you figure out the circumference of a circle of radius 6cm in the term of Pi? Answer: First double the radius to give the diameter of the circle (6 doubles is 12). Now multiply this answer by Pi, to give an answer in 12Pi (you don't have to figure out what the question wants the answer in terms of Pi). Question: Can you figure out the circumference of a semicircle with a radius of 4? Answer: First double the radius to give 8, now multiply this by Pi to give 8Pi. Now half 8Pi to 4Pi.So of the length of the arch is 4Pi.Now put on the diameter to give a final answer to 4Pi + The area of a circle, in terms π , is 4π m squared. Find the value of the radius? Answer: First square root radius to give 2.Question: How to find a surface on a sphere when the radius is 100? Answer: Square radius that is 10000, and multiply by 4Pi to give 40000Pi.Commentsklordy on March 26, 2013:thx it really helped my son with hmeworkAugustin A Zavala from Texas on March 30, 2011:Very informative. Thank you for sharing. Husky1970 on March 29, 2011:If you have a certain linear amount limit and want to attach the largest area possible with it, what should you do? Say you have 100 meters of fenceand want to enclose the largest possible area. Possible.

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