

1: Ring-a-Round the Saturn | NASA

The area of a circular ring is found by subtracting the area of the small circle from that of the large circle. An example of an annulus is the area of a washer and the area of a concrete pipe. If A and a stand for the areas and the radii of two circles and for the area of the ring, the.

Symptoms[edit] The most common symptoms of RLP are: Sudden pain in the lower abdomen, usually in the right side of the pelvic area that can extend to the groin. Shooting abdominal pain when performing sudden movements or physical exercise. Pain is sudden, intermittent and lasts only for a few seconds. Although very common during pregnancy, non-gestating women can also experience RLP. The most common causes of RLP are as follows: RLP may be caused by a spasm or cramp when the ligament contracts involuntarily. The ligament pulls on nerve fibers and sensitive structures of the female reproductive system. Since the uterus tends to be oriented towards the right side of the body, the pain is also often felt on the right side. This leads to frequent confusion with appendicitis. This increase in size and weight of the uterus puts stress on the ligament that holds it, causing it to stretch. During physical exertion or sudden movements, the ligament is overly stretched, causing pain. The varicocele starts at the veins draining the round ligament and the inguinal canal and is associated with engorgement of the veins of the ovaries and the pelvis during pregnancy. Endometriosis [8] [9] that infiltrates or borders the uterine round ligament can cause RLP in fertile, non-gestating women. Other pathologies that involve the uterine round ligament can cause RLP. Diagnosis[edit] Abdominal pains during pregnancy may be due to various pathologies. RLP is one of the most common and benign of these pains. However, diagnosis of RLP is problematic. Some of the conditions that may present symptoms similar to those of RLP are appendicitis , ectopic pregnancy , kidney stones , urinary tract infection , uterine contractions , inguinal hernia , ovarian cysts , and endometriosis. If abdominal pain is continuous and accompanied by vaginal bleeding, excessive vaginal discharge, fever, chills, or vomiting, then it is most unlikely to be RLP and immediate consultation with a health care provider is warranted. In some cases, however, RLP was only diagnosed during exploratory surgery. RLP and appendicitis A year-old pregnant woman presenting abdominal pains was initially diagnosed with RLP and was discharged. Subsequent symptoms and further tests revealed acute non-perforated appendicitis that required surgery. Appendectomy was successful but premature labor occurred 7 days after discharge, leading to spontaneous abortion. The swelling was prominent when standing but not in the supine position and has a cough impulse. Ultrasonography revealed varicosities on the uterine round ligament. Explorative surgery did not locate a hernia but revealed varicosities of the round ligament. Resection of the uterine ligament was successfully performed and no perinatal and postpartum complications were reported. In one case, a year-old woman presented with abdominal pain 24 hours after normal vaginal delivery. Another case was that of a year-old woman who presented with RLP 3 days after delivery. In both cases, initial diagnosis was inguinal hernia. In the first case, emergency surgery did not locate any hernia but found the round ligament of the uterus to be edematous and filled with thrombosed varicose veins. CT and MRI revealed thrombosed blood vessels along the inguinal course of the uterine round ligament that extended towards the labia majora. In the majority of these cases, diagnosis was problematic. In some cases, definitive diagnosis of round ligament endometriosis was only possible during exploratory surgery. A case report documented the development of a mesothelial cyst on the uterine round ligament of a woman after IVF stimulation. Acetaminophen or paracetamol is safe to take during pregnancy, thus is the most commonly prescribed pain reliever for pregnant women with RLP. Applying a hot compress to the area of pain may give some relief. Hot soaks and hot baths may also help. Triggering factors that can cause RLP are sudden movements, e. A change in daily activities can help find relief and prevent worsening of the condition. Avoid sudden movements that can cause spasms of the ligament. When about to sneeze or cough, brace yourself by bending and flexing the hips to minimize the pull on the ligaments. Resting is one of the best remedies against RLP. When lying down, changing position slowly and regularly is recommended. An example of such an exercise is kneeling with hands and knees on the floor, then lowering your head to the floor, and keeping your bottom up in the air. The so-called pelvic hip

tilt exercise also appears to help in reducing pain intensity and duration. In RLP pathologies involving endometriosis and ademyosis, surgery may be necessary to perform resection of the ligament or removal cysts and myoma.

2: Rings around the Sun | Science Mission Directorate

By a ring i assume you mean a washer shape, because if you were speaking about a circle, you would have simply said circle. If you know the outer radius and the inner radius, you can use that to find the area of the washer or ring.

It was just after lunch on Sept. What a gorgeous autumn afternoon. The pale blue sky was streaked with wispy white cirrus clouds. The Sun was high and bright. The sun was surrounded by an extraordinarily bright, rainbow-colored halo. Flanking it both left and right were two brilliant, comet-shaped rainbow-colored sun dogs or mock suns technically known as parhelia from Greek words meaning "beside the sun". This scene, recorded in Finland by Pekka Parviainen using a wide-angle lens, is similar to the one author Trudy E. Bell saw in Ohio last month. A football-shaped "circumscribed halo" surrounds the Sun. A fainter "parhelic circle" rings the horizon. I dashed to the front yard, which has a better view of the sky, and began turning to see how far the "comet tails" of the sun dogs reached. I turned o, accidentally unbalancing myself and falling onto the grass. All that morning I had been stepping outside hourly to look up, because I knew that thin cirrus clouds plus bright sunlight almost guaranteed seeing something wonderful. But truly good displays in the United States are most common in the fall, winter, and spring when the northern jet stream descends southward, drawing down Arctic air masses with their treasure-trove of jewel-like ice prisms. Wispy high-altitude clouds like these harbor ice crystals that cause sun halos. Pekka Parviainen Just then, my neighbor Cindy backed her van out of her drive. I called to her and pointed upward. She stepped out of her idling van and looked up. Her eyes widened and her jaw dropped. How do you find out when to look? Sighting such a light show is more akin to spotting an unusual migratory South American bird in Ohio: Not only that, but every ice-crystal display is as different as every pattern seen through a kaleidoscope--and for similar reasons. Displays in the daylight sky depend on the tilt of the ice crystals in the air and the altitude of the sun. They depend on whether the ice crystals are flat plates or long pencils. But if the crystals are of exceptional gem-like quality, the entire dome of the daytime sky may be festooned with exotic halos, loops, arcs, and crosses--or the full parhelic circle now glowing overhead in silent glory! Author Trudy Bell made this 3D sketch of the parhelic circle she saw on Sept.

3: Area of a Circular Ring or Annulus | eMathZone

Online calculator to calculate the enclosed area (in blue) of a circular ring when outer and inner radii are known. How to use the calculator Enter the outer and inner radii $R1$ and $R2$ (with $R1 > R2$) as positive real numbers and press "enter".

Area of a Ring or a Circular Washer Circle Inside another Circle There are many pages in this site explaining how to find the area of a circle. Now is the time to apply this information to solve word problems involving circles. In this presentation we will explore how to find the area of a ring or a circular washer. A circular washer consists of two concentric circles or circle inside a circle. Consider the following example: Find the area of a circular washer which have an inner radius of 3 cm and the outer radius of 5 cm, as shown in the image given below: We used lower case letter r to represent the radius of inner circle and Upper case letter R to represent the radius of outer circle. To find the area of a circular washer or the ring, we need to find the area between both the circles which is yellow part as shown in the image at left. Find the area of the outer circle. Find the area of inner circle. Find the difference between the areas found in above steps. Area of smaller circle: Area of larger circle: Area of the washer: Once you have calculated the area of both the circles inner and outer using given radii, the next step is to find the area of the washer by subtracting the above results. The area of the washer is equal to the area between both the circles. Shorter Method to do the same: Alternately the whole process can be shortened by using the following steps and little bit of more algebra: Now pull "pi" out as gcf and we solve our equation as shown below: Hence the area of the ring washer is Worksheets on finding area of a ring or area of a circular washer worksheets:

THE ROUND AREA, THE RING pdf

4: Round ligament pain - Wikipedia

The area of a circular ring (annulus) can be computed with the following formula: $A = \pi (R^2 - r^2)$ where: R is the radius to the outer dimension of the ring and r is the radius to the inner dimension of the ring.

Next What can your eyes reveal about your health? Quite a lot - and some things you can see simply by looking in the mirror. Some people develop a gray ring around the edge of the cornea. The ring, which doctors call arcus senilis, often goes hand in hand with high cholesterol and triglycerides - and an increased risk for heart attack and stroke. Anyone who has the condition should have a blood test to check for elevated blood lipids - especially people under age 40. American Academy of Ophthalmology Cloudy eye This is a cataract - a clouding of the lens inside the eye. The condition, which can be corrected with surgery, is most common in older people. Cataracts that arise in younger people can have a variety of causes, including tumors and diabetes, as well as side effects from certain medications. Although basal cell skin cancers are not usually fatal, they can cause severe disfigurement, blindness and even death if they reach the brain through the eye socket. Known as a chalazion, this hard, painless mass typically comes up quickly over a few days. American Academy of Ophthalmology Myasthenia gravis Droopy eyelids on both sides ptosis can be evidence of myasthenia gravis - an autoimmune disease characterized by muscle weakness. Good medical treatment is available for the potentially deadly disease, but the condition in milder forms can be difficult to diagnose. This patient, who could barely keep her eyelids open, was diagnosed by her eye doctor. American Academy of Ophthalmology AIDS Eye doctors can diagnose all sorts of diseases and medical conditions by looking at the retina, the light-sensitive tissue at the back of the eye. American Academy of Ophthalmology High blood pressure Eye doctors can detect evidence of high blood pressure by looking at the retina. The pressure causes tiny blood vessels in the retina to kink and twist, which is pointed out by one arrow. The other arrow points to "dents" in retinal veins, a condition known as A-V nicking. This person is at high risk for a devastating stroke. A rupture of the aorta is likely to be fatal. American Academy of Ophthalmology Metastatic cancer Sometimes cancer that arises elsewhere in the body shows up first in the eyes. The two most common cancers that spread to the eye are lung cancer in men and breast cancer in women. But the disease often causes telltale changes in the retina that can be picked up by an ophthalmologist. In this eye, diabetes has caused tiny hemorrhages in the retina and yellowish deposits of blood fats lipids. The condition is known as diabetic retinopathy. American Academy of Ophthalmology Diabetes continued This eye shows evidence of severe diabetic retinopathy, which is a leading cause of poor vision and blindness. This patients needs laser treatments to fix the damage.

5: Area of a circle - Wikipedia

The area of a circular ring is found by subtraction the area of small circle from that of the large circle. The examples of annulus are the area of a washer and the area of a concrete pipe.

6: why is there a brown ring around the nipple area of a womans breasts ? | Yahoo Answers

Area of a Ring or a Circular Washer (Circle Inside another Circle) There are many pages in this site explaining how to find the area of a circle. Now is the time to apply this information to solve word problems involving circles.

7: Website Unavailable

Ring shapes are essentially formed by one circle within another. To caculate the area of an annulus ring, take the difference between the two circle areas.

8: Ring Around The Sun Explained: What Causes Circular Halo? (PHOTOS) | HuffPost

THE ROUND AREA, THE RING pdf

Shop for Classic Flower Ring Print Round Area Rug in BLUE HOSTA CM (ROUND) online at \$ and discover other cheap Carpets & Rugs at www.enganchecubano.com Cheapest and Latest women & men fashion site including categories such as dresses, shoes, bags and jewelry with free shipping all over the world.

9: What Is the Ring of Light Around the Moon When There Is a Solar Eclipse? | Sciencing

The rings may also be made from material left over from when Saturn first formed. From far away, Saturn looks like it has seven large rings. Each large ring is named for a letter of the alphabet.

More Coffee With Nonna A way with widows Writing for enjoyment as well as profit Instant Immersion Japanese Deluxe My Pilgrimage To Understanding Gods Proverbs Woman Workers benefits workers rights Narrow spectrum antibiotics list Grand Prix Motor Cycle Championships of the World, 1949-75 This is how book Properties and Applications of Perovskite-type Oxides (Chemical Industries) Aspect Book Water (Exalted) Herbs Taken Prior to Lovemaking for Physical Effects 22 The Golf Magazine Course Management Handbook (Golf Magazine) Mcat practice test and answers Structural bolting handbook 2006 Environment and embodiment in early modern England Welcoming the saving reign of God Oxford dictionary of scientific quotations Gender and excesses of the past Gena showalter royal house of shadows Play like youre dead Akutagawa the life of a fool Beyond Every Cloud The Complete Book of Mexican Cooking March of socialism The murderers whos who Neurological basis of ADHD Don t know why sheet music Clinical endocrinology of companion animals Rationality and tribal thought Allintitle field asset management filetype Time-domain analysis and design of control systems Acm Curricula Recommendations for Related Computer Science Programs in Vocational-Technical Schools, Comm The overlocker technique manual Philosophical foundations of criminal law Alexander 334-323 BC Old fashioned stories poems Fifty-five grandmas and a llama Clinical training guide for the student music therapist wheeler The Secret Oath (Kenyan Chronicles, Bk 1)