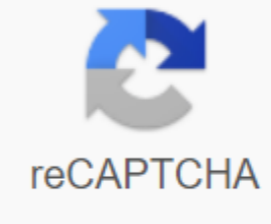




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Use this calculator to easily calculate the surface of a rectangle given its sides (length and width) in any metric: mm, cm, meters, km, inches, feet, yards, miles... The formula for the area of a rectangle is width x height, as seen in the figure below: All you need are two measurements and you can calculate its perimeter by hand, or using our perimeter of a rectangle calculator above. The result will be in the unit the width and height are measured in, but squared, for example mm², cm², m², km² or in², ft², yd², mi². How do I calculate the area of a rectangle? The calculation is simple using the formula above: make sure you have the measurement of width and height in the same units and then multiply them. Don't forget to express the result in the square unit, and you're ready to go. Example: Find the area of a rectangle The area of any rectangular place is where the surface is its length multiplied by its width. For example, a rectangle-shaped garden 10 metres long and 3 metres wide has an area of 10 x 3 to 30 square metres. One rectangular room with one wall being 15 feet long and the other being 12 feet long is simply 12 x 15 to 180 square feet. Since in multiplying the order in which the numbers are multiplied does not matter, you do not need to worry about changing the locations of the two measures. Practical applications Zone of a rectangle calculations have a wide range of practical applications: construction, landscaping, internal decoration, architecture, engineering, physics, and so on and so forth. Irregularly shaped areas are often divided into several rectangles when one needs to calculate their area, but cannot at a precise calculation. Thus the surface of the human body was also calculated: the subject's bodies were covered with strips of paraffin, which were then removed, sliced and measured. The area is the size of a surface! Learn more about the area, or try the zone calculator. Note: h is right angle to b: The formula is: Zone - w x h w - width h - height We know w - 5 and h - 3, so: Zone - 5 x 3 - 15 Radius - 3 Zone - $\pi \times r^2 - \pi \times 3^2 - \pi \times (3 \times 3) - 3.14159 \dots \times 9 - 28.27$ (to 2 decimals) Height - h - 12 Base - b - 20 Area - $\frac{1}{2} \times b \times h - \frac{1}{2} \times 20 \times 12 = 120$ A more difficult example: We will break the zone in two parts: Part A is a square: Zone of A - a² - 20m x 20m - 400m² Part B is a triangle. Seen on the side, it has a base of 20m and a height of 14m. Area of B - $\frac{1}{2} \times h \times \text{base} - \frac{1}{2} \times 20 \times 14 = 140$ So the total area is: Zone - Zone of A - Area of B - 400m² - 140m² - 540m² Sam earns \$0.10 per meter Sam gagne = 0.10 \$ x 540m² = 54 \$ Copyright © 2018 MathsIsFun.com \(\text{ormalsize Rectangle}\{1\}\ \text{zone}\{\hspace{50px}\} S=ab\{2\}\ \text{périmètre}\ L=2a+2b\)

But de l'utilisationMath homeworkPurpose of usemath homeworks. bleh. But de l'utilisationeverythingComment/RequestawesomePurpose of of how much product to buyPurpose de useto use quadrilateralHow/Requestto how to answer you on this topicPurpose of the home room useeasePurpose of the question usea answer that was difficultHow/RequestPLEASE ASK THE TYPE OF ACCURACY ACCORDING TO WHICH QUESTION IS GIVEN. Thank you for your questionnaire. Completion Sending To improve this area of a rectangle calculator, please complete the questionnaire. Rectangular pipe, rectangular hollow or square-shaped Formulas If you are a surveyor or landowner in which you want to calculate the area of the land, then you are in the right place. There are always common problems in surveyors or students to discover the area of an irregular terrain. If the land is rectangular square, triangular, then we can easily find the area of the earth using a simple geometric formula. We will discuss how we can calculate the area of all types of land one by one. Not all plots or plots are in fixed geometric shape such as a triangle, rectangle or square. Thus, we often face difficulties in calculating the area of this kind of land that are not in fixed geometric shape. Let us clearly describe and sense among all the likely types and forms of land that we generally have to calculate. 1) Triangular plots or lands These types of land are rarely found, but that doesn't mean you won't have to deal with this problem. you can probably get these types of land at the corner of the road at turning ar. so let's solve these types of problems soon. Q) Calculate the area of the given triangular land with 21 m, 13 m and 20 m respectively. Solution:- Let, Given the side of the triangle, (AB) - (a) - 21 meters (AC) - (b) - 21 meters (AB) - (c) - 21 meters We have, So, to calculate first the half-perimeters (s) - $\frac{a}{2} - \frac{20 - 21 - 13}{2} - 27$ m. The semiperimeter of the triangle is half its perimeter, that is, (sum of their sides). Now, using the formula above, we get, Triangular Land Zone (A) Therefore, this way we can calculate the area of land that is triangular in shape. let us now calculate the area of rectangular parcels of land. 2) Rectangular parcels or land These types of land are often found in all areas. The sides of the earth whose side is equal to their opposite side and another side is equal to another side are known as rectangular earth. It's all sides are perpendicular to each other, i.e. 90 degrees with each other. Let's understand using the digital figure and the figure below. Q) Calculate rectangular lands with dimensions shown in the figure below. Solution, Here in the figure two sides are 14 meters and two sides are 8 meters. so, let length (L) 14 meters and width (B) - 8 meters We have, So, Using the formula above that we get, Zone - L X B - (14 x 8) - 112 m² Therefore, this way, we can calculate the area of land that is rectangular in shape. let us now calculate the area of square parcels or land. Read also, what is against How to check the quality of cement on the site Septic Tank Design 3) Square plots or land These types of land are also common in all areas, you will get the shape of the earth mainly and almost rectangular or square shape. The sides of the earth, all sides of which are equal to each other, are known as square lands. It's all sides are perpendicular to each other, i.e. 90 degrees with each other. Let's understand using the digital figure and the figure below. Q) Calculate the area of square land with dimensions shown in the figure below. Solution, Here in the figure have all sides equal and 8 meters. well, let length (L) 8 meters We have, Using the formula above, Earth Zone (A) - (8 x 8) m² - 64 m² Therefore, in this way, we can calculate the area of the land that is square in shape. now calculate the area of trapeze plots or land. 4) Trapeze terrain This type of soil may be regular or irregular. I present all types of land with examples here. let's discuss all the land using the figure and formula to calculate it. A) Lands with two parallel sides to each other These types are land located on the side of the road and may have been artificially done for a different purpose. In this type of land, two sides are parallel to each other, but the other two sides are not. Let's understand ourselves with an example. You can also calculate the area of the earth above by dividing the earth into two parts into rectangle and triangle that you can see in the figure by the green line. After that, you can again use the square and triangle formula to each other and get the total area. I hope you understand and can calculate the area of this type of land. Let's see another type of uneven terrain that you usually found at the survey. but don't worry, I'm going to do digital this land too. let's move forward. B) Lands with no parallel side to each other This type of land is found mainly in all places of state and country. It's an irregular land. In these types of land, all sides are different from each other, and also they make different angles with each other. Surveyors have to calculate these types of land so, often, and they get more problems in these types of land to calculate the actual area. understand with the digital and formula for calculating the area of the land. Q) Calculate the area of irregular land with a given dimension in the figure below. Solution, To calculate these types of is very easy, to discover the area of these types of land, first of all, bury four pegs or stem range to all corners of the earth. after that take the measure on all sides of the earth, and keep in mind that you need to measure one of the diagonals of the plots. Now you can see in the figure, the total earth has divided into two parts with blue line diagonals and they are triangle-shaped. That's it, use the triangular land formula separately and add both to get total area. Isn't that easy? Now, let's move on to the calculation, In the triangle ABD, let, BD (a) 5 meters, AD (b) - 3 meters, AB (c) - 4 meters Encore we have, where, S - $(5 - 3 - 4)/2 - 6$ meters. So, by putting all the value, we get TRIANGLE zone ABD - 6 m² In the same way, for the triangle BDC, let, DC (a) - 13 meters, BC (b) - 12 meters, BD (c) - 5 meters where, we have (S) - $(13 - 12 - 5)/2 - 15$ meters. So by putting all the value we get BDC Triangle Zone - 30 m² So total are the earth become, 'Abd Triangle Zone and BDC Triangle' (6 -30) m² - 36 m² So, this way we can calculate the area of land that is irregular in shape. So, guys, I hope this article on how to calculate the area of the land remains useful to you. Please share it and continue to visit for daily updates. Download Excel Sheet here, The area of a polygon is the number of square units inside the polygon. To understand the difference between the perimeter and the area, think of the perimeter as the length of the fence needed to enclose the yard, while the area is the space in the yard. The perimeter is 1-dimensional and is measured in linear units such as inches, feet or meters. The area is 2-dimensional: it has a length and width. The area is measured in square units such as square inches, square feet or square meters. To find the area of a rectangle, multiply the length by the width. The formula is: A -L-W where A is the zone, L is length, W is width, and means multiply. A square is a rectangle with 4 equal sides. To find the area of a square, multiply the length of one side by itself. The formula is: or where A is the area, s is the length of one side, and means are multiplying. Let's look at some examples of finding the rectangle area. Example 1: Find the area of a square with each side measuring 2 inches. Solution: 2 inches (2 inches) - 4 in² Example 2: A rectangle is 8 centimetres long and 3 centimetres wide. Find the area. Solution: A 'L' 'W' 'A' (8 cm) In examples 1 and 2, we found the area given the size of the rectangle. Let's look at a few

examples where we are given the rectangle area, and we are asked to work backwards to find the missing dimension. Example 3: The size of a square is 9 square centimeters. How long does one side last? Solution: 9 cm^2 - Since $3 \times 3 = 9$, we get 3 cm . So must be equal to 3 cm . Example 4: The surface of a rectangle is 12 square inches and the width is 3 inches. How long is it? Solution: $A = L \times W$ $12 = L \times 3$ Since $4 \times 3 = 12$, we get (4 inches) 12. So L must be equal to 4 inches. The 4-inch summary: The dimensions of a rectangle are length and width. Given the length and width of a rectangle, we can find the area. Given the area and one size of a rectangle, we can find the other dimension. The formula for the area of a rectangle is: $A = L \times W$ where L is length and W is width. A square is a rectangle with 4 equal sides The formula for the area of a square is: $A = S^2$ where S is the length of one side. Directions Exercises: Read each question below. Click once in a RESPONSE BOX and type in your answer; then click ENTRÉE. Your answers should be given as whole numbers above zero. After clicking, a message appears in the RESULTS ZONE to indicate whether your answer is correct or incorrect. To start over, click EFFACER. 1. Find the area of a square with each side measuring 6 inches. 2. A rectangular courtyard is 12 metres long and 4 metres wide. Find the area. 3. The area of a square is 25 square centimeters. How long does one side last? 4. A rectangular carpet has an area of 28 square feet and a length of 7 feet. How wide is it? 5. A piece of paper has an area of 45 square inches and a width of 5 inches. How long is it? Length?

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