Chapter 1 : Area Of Irregular Figures Worksheets - Printable Worksheets

Area worksheets contain 5 exclusive pages in finding area of triangle, circle, rectangle, quadrilateral and polygon. It also contain basic worksheets like finding area by counting squares and grids; area of mixed shapes; and area of compound shapes (composite or complex shapes).

Notice that this shape has 8 sides. Therefore, we could call it an octagon. However, a memorized formula for an irregular octagon would not be very helpful in this situation. Instead, break down the shape into rectangles. Next, calculate the area of both rectangles and add them together. The area of the first rectangle is 72 square centimeters and the area of the second rectangle is 50 square centimeters. Therefore, the area of the entire figure is square centimeters. Sometimes adding up the pieces is the easiest method. Other times you might want to take a different approach. Check out the next example. Notice that this figure looks like a square that is missing a piece. In this case, calculate the area of the square and the rectangle and then subtract. By either adding the areas or subtracting the areas of rectangles the area of an irregular shape can be calculated. This will not work for all irregular figures. You may have to use triangles or other shapes as well. Start by breaking this figure into rectangles and triangles. There is more than one right way to do this. Here is one possible option: Then use the known side lengths to determine any side lengths that are still needed to calculate the area of the three pieces. Here we added all the pieces from the top lengths. Then we can subtract this from the total of 9 units to get the base of the triangle. Now all of the bases and heights are labeled so that the areas can be calculated. Think of this example as a triangle with two rectangles removed. Because we are removing the rectangles, the area of the smaller rectangles will need to be subtracted from the total area of the triangle. They both involve breaking the irregular figures into shapes that you can work with. Once you have done this you will need to either add the area of the pieces together or subtract the missing pieces from the whole.

Chapter 2 : Area Worksheets

Showing top 8 worksheets in the category - Area Of Irregular Shapes. Some of the worksheets displayed are Area and perimeter of irregular shapes, Perimeter, 10 8 area irregular figures, Area and perimeter of irregular shapes, Area and perimeter of irregular shapes, Area, 6 area of triangles and quadrilaterals, Area perimeter work.

Chapter 3 : Area Worksheets

Area Of Irregular Figures. Showing top 8 worksheets in the category - Area Of Irregular Figures. Some of the worksheets displayed are 10 8 area irregular figures, Perimeter, Area and perimeter of irregular shapes, Area and perimeter of irregular shapes, Area and perimeter of l shapes 1, Area perimeter work, 6 area of triangles and quadrilaterals, From.

Chapter 4 : Calculating the Area of Irregular Shapes, Mathematics skills online, interactive activity lessons

This worksheet hep you to understand how to calculate the area of the irregular shapes. The irregular shapes area can't be calculated directly because there is no separate formula for irregular shapes, so the irregular shape must be converted into possible standard shapes such as rectangle, semi-circle, etc. Calculating the area for all of the possible shapes and adding them will give you area.

Chapter 5 : Rectangle Worksheets

Task Cards: Area of an Irregular Shape (Advanced) Find the area of these irregular shapes (rectilinear figures) by multiplying decimals to the tenths and hundredths place. This is a class set of 30 task cards.

Chapter 6 : Free Geometry Worksheets to Download

This Area Worksheet will produce problems for finding the area of compound shapes that are comprised of adding regions of simple figures. You can select the types of figures used and the units of measurement.

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Math Worksheets > Grade 4 > Geometry > Area and perimeter of irregular rectangular shapes. Geometry worksheets: area and perimeter of irregular rectangular shapes. Below are six versions of our grade 4 geometry worksheet on finding the area and perimeter of irregular rectangular shapes.

Chapter 8 : The Area of Irregular Figures

Math Worksheets > Grade 6 > Geometry > Area and perimeter of irregular rectangles. Geometry worksheets: Area and perimeter of irregular rectangular shapes. Below are six versions of our grade 6 math worksheet on determining the area and perimeter of shapes formed of two or more rectangles.

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irregular figures. An irregular figure is a two-dimensional figure that is not one of the previously named shapes. To find the area of an irregular figure, divide the figure into a series of shapes whose area formula you do know. Find the area of each shape. Then, find the sum of the areas of each shape. Find the area of the figure. Divide the figure into familiar shapes.