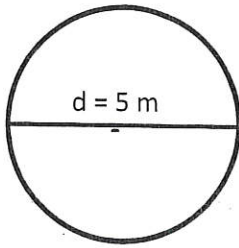


Here's an example of finding circumference and area.



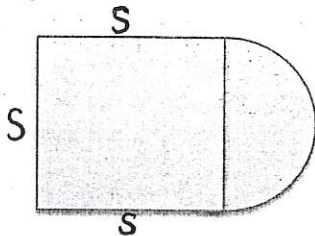
Circumference = πd
 Circumference = $\pi(5)$
 Circumference = $15.7m$

Area = πr^2
 Area = $\pi(2.5^2)$
 Area = $19.6m^2$

If you're dealing with a semicircle (we learned this means an arc that is half of a circle), don't forget to multiply by 0.5 or 1/2. This is the same as dividing by 2.

If you have a quarter circle, then you would multiply by 1/4 or divide by 4.

We also learned about shapes that are made up of two or more other shapes. These are called composite shapes. Here's an example of a square and a semicircle.



Composite Shape

In order to find the perimeter of this shape, we have to pick a corner point to start at and travel ALL THE WAY around the object until we get back to where we started. The measure of each side length or arc around the outside must be added together to find the TOTAL perimeter.

> Here is the formula for the perimeter of this shape: $\frac{1}{2}\pi d$ + $3s$

S = length of side of square

In order to find the area of a shape like this, we have to add the area of the square to the area of the circle.

semicircle

> Here is the formula for the total area of this shape: $\frac{1}{2}\pi r^2$ + s^2