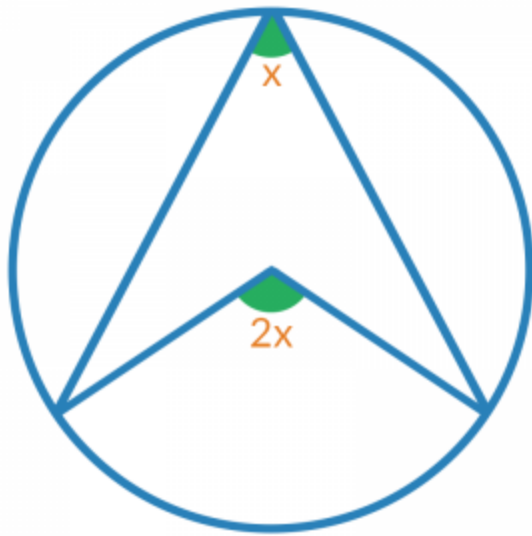


2. The angle at the circumference is half as big as the angle in the centre.



In this diagram we can see that the angle at the centre is twice that at the circumference as it is 2 lots of x .

Proof

When the arc is a semicircle, like above, the angle at the centre is a straight angle of 180 degrees and the angle at the circumference is a right angle (which is half).

In other words, if you look at theorem one, you will see that the angle at the circumference of the circle is 90 degrees and the angle at the diameter is 180 degrees as a diameter is two radii.

Test Questions

1. How many degrees is angle x in this diagram?

