

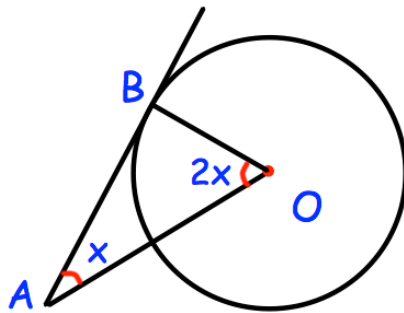
**2nd August**

Corbettmaths

The width of a rectangle is 50cm, correct to 2 significant figures.  
The length of a rectangle is 115cm, correct to 3 significant figures.

Calculate the lower bound for the area of the rectangle.

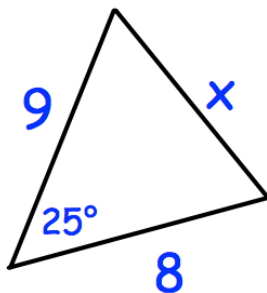
What percentage of a distribution lies between the lowest value and the upper quartile?



Find  $x$

The population of a country increases by  $x\%$  each year.  
At the beginning of 2014 the population of the country was 24,000,000  
At the beginning of 2017 the population was 26,996,736

Find the value of  $x$



Find the length of the side labelled  $x$ .