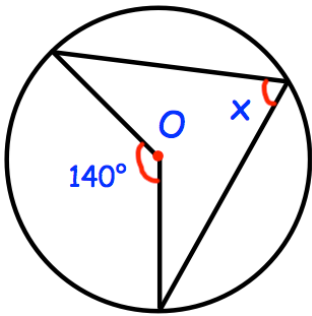


20th December

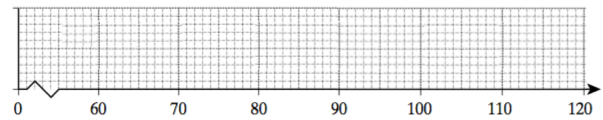


Corbettmaths



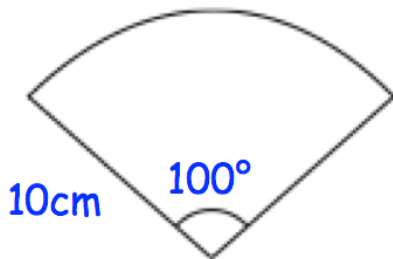
Find x

A students in a class complete a puzzle.  
 The longest time taken was 114 seconds.  
 50% of the students completed the puzzle  
 in under 94 seconds.  
 The range was 52 seconds.  
 The lower quartile was 75 seconds.  
 The interquartile range was 30 seconds



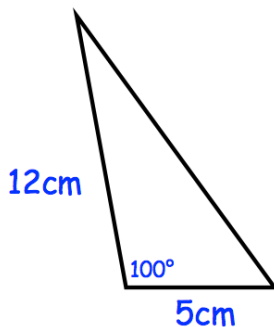
Complete the box plot

Calculate the perimeter of this sector.



Solve, giving your answers to one decimal place.

$$2x^2 + 7x + 2 = 0$$



Calculate the area of the triangle.