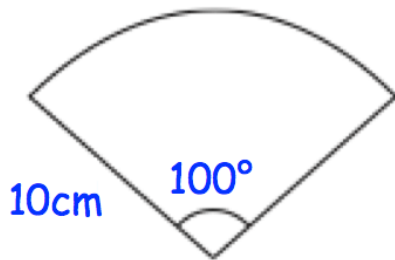
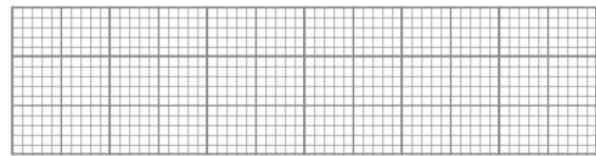




Calculate the perimeter of this sector.



The 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



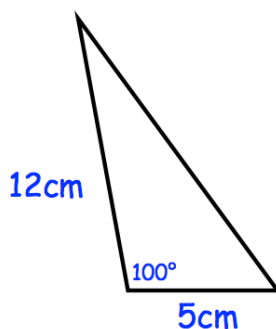
Draw a box plot to show this information

Hannah wants to estimate the number of eels in a lake.
 She catches and rings 80 eels.
 She returns the 80 eels to the lake.
 Hannah then catches 30 eels.
 Of these 30 eels, 5 are ringed.

Work out an estimate of how many eels live in the lake.

Solve, giving your answers to one decimal place.

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



Calculate the area of the triangle.