



A car travelled for 170 minutes, to the nearest 5 minutes.
It travelled for a total distance of 120km, to the nearest 10km

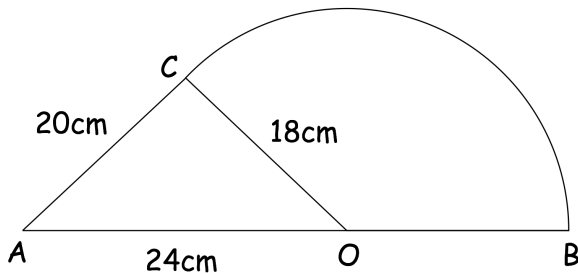
Work out the greatest possible average speed, in m/s

Mr Jones wants to drain a full pond.
The last time he drained the pond, he used 8 pumps and it took 72 hours.
Mr Jones is planning to start draining the pond at 8am on Monday morning with 2 pumps. His neighbour is going to lend him a pump at 5pm on Tuesday.

Mr Jones has also arranged for 3 additional pumps to arrive at 10am on Wednesday.
Approximately when should he finish?

A metal plaque is made by joining together a triangle and a sector.

BOC is a sector of a circle, centre O with radius 18cm.



AOB is a straight line

Calculate angle BOC

Calculate the perimeter of the plaque.

Calculate the area of the plaque.