

Athletic track

This task is about circumference and perimeter.

The grounds keeper has just painted a line for the inside of the Marston Athletic Track.

The line he painted is shown in the diagram below. The two end sections are semi-circles with a radius of 35 metres (m).



a) Show how to work out the total length of the two curved sections of the line.

Show your working here.

_____ m (to 1 d.p.)

b) The length of the line is 400 metres. Show how to work out how long each straight section will be.

Show your working here.

_____ m (to nearest metre)