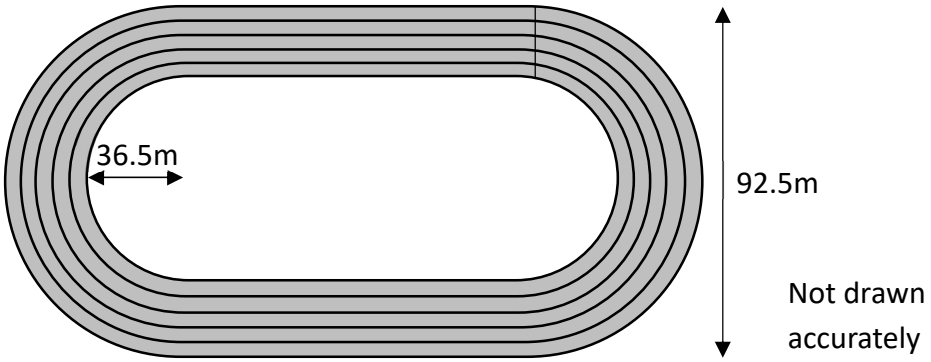
1 A running track contains two straight sections each measuring 84.39m and two curved sections with a radius of 36.5m. The total width of the track is 92.5m. There are 5 lanes on the track, each of the same width.

The runner in the innermost lane always wins.



Assuming all runners stay in the centre of their respective lanes, calculate the difference in distance between each starting line and the nearest starting line so that each runner covers the same distance in 1 lap.
Give your answer to 2 decimal places.

(6)

Answer = ... m

END OF QUESTIONS

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