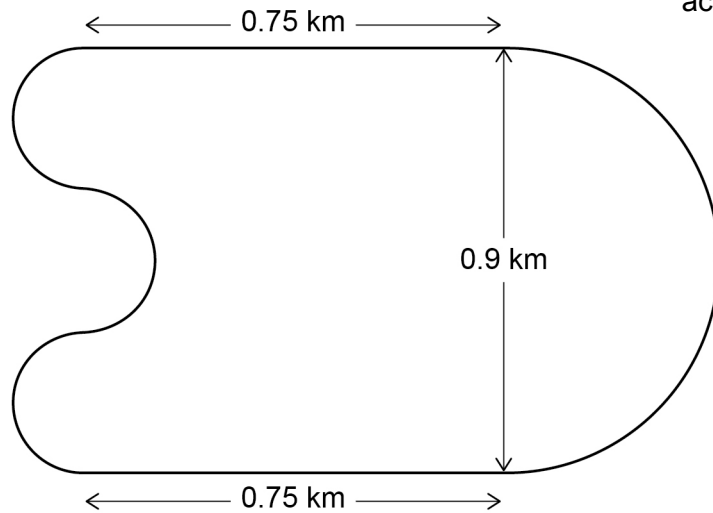


27

A motor racing circuit consists of  
 two parallel straight sections, each of length 0.75 km  
 a semicircle of diameter 0.9 km  
 three equal, smaller semicircles.

Not drawn  
accurately

The length of a motor race must be greater than 305 km

What is the lowest number of **full** laps needed at this circuit?

You **must** show your working.



[5 marks]

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Answer \_\_\_\_\_

