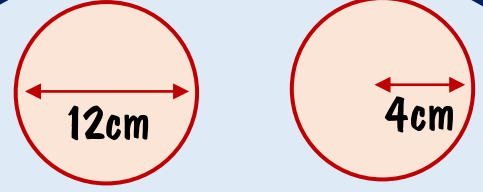


# Pentagon Problem 3

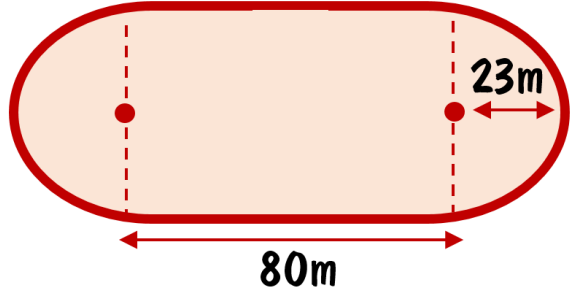
Make sure you are fluent with the 5 surrounding skills and then tackle the centre problem!



A wheel has a radius of 280mm. How many revolutions would this make around a 400m running track?



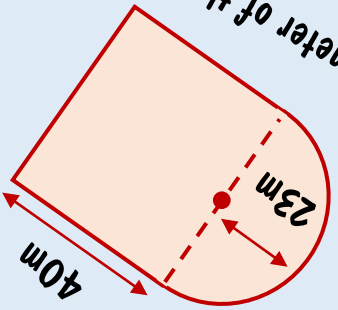
Work out the circumferences.



The race track above is made of a rectangle and two semi-circles. A standard bike wheel has a diameter of 620mm. Calculate how many complete revolutions a bike wheel will make on the journey round.

Convert each of these lengths into mm

- 560cm into metres
- 27.5cm into mm
- 890mm into metres
- 180mm into metres



Work out the perimeter of the shape made of a rectangle and a semi-circle.

Calculate the perimeter of the semi-circles.

