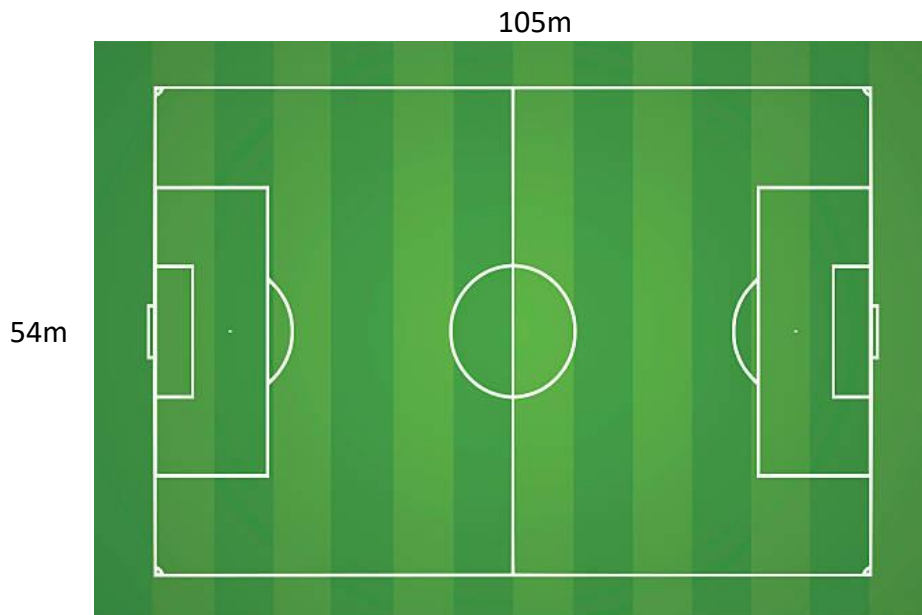


## Activity Sheet

# Groundsman Geometry

Objective: To calculate the perimeter of a football pitch



- 1) Calculate the perimeter of the football pitch – don't forget to include the units (metres)

$$\underline{\hspace{2cm}} + \underline{\hspace{2cm}} + \underline{\hspace{2cm}} + \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

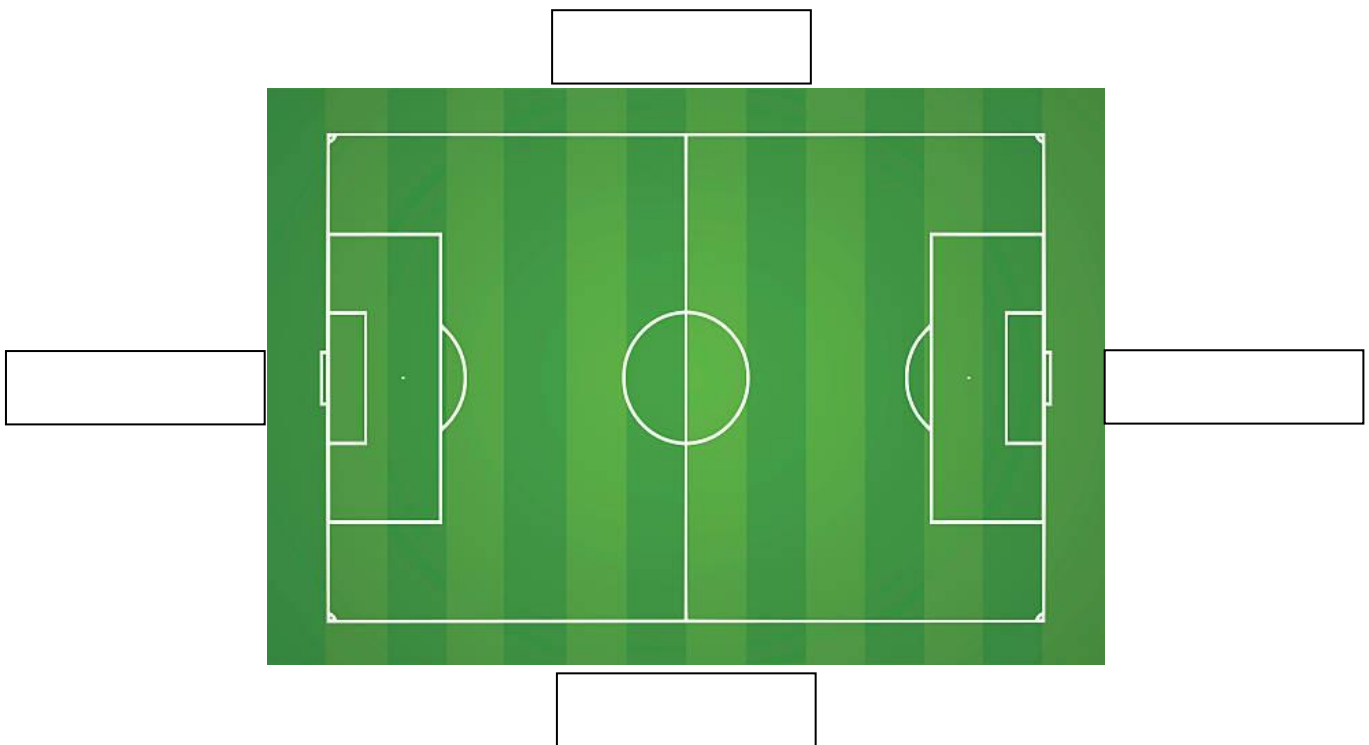
- 2) Can you convert the perimeter from metres to centimetres?

## Activity Sheet

# Groundsman Geometry

The Swindon manager, John Sheridan, would like the pitch to be as big as possible for the next home game. Use the measurements below to mark the pitch as long and as wide as possible before calculating the perimeter.

Maximum length	120yds (110 metres)
Minimum length	110yds (100 metres)
Maximum width	80yds (75 metres)
Minimum width	70yds (64 metres)

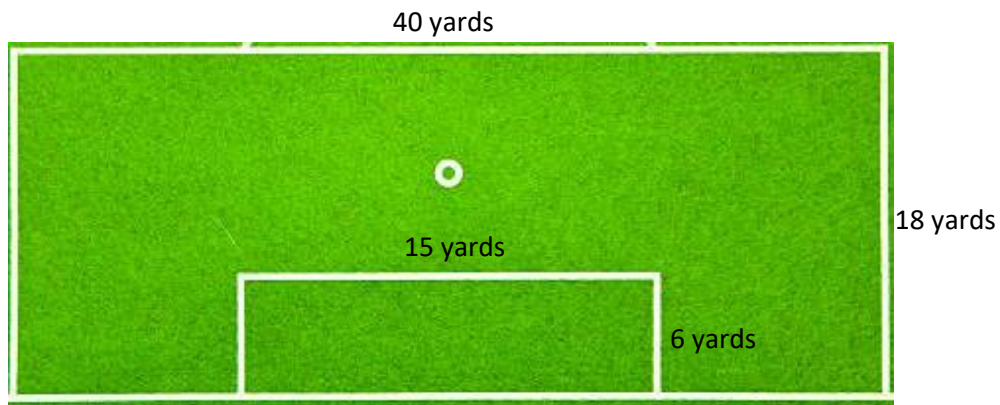


$$\underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad}$$

## Activity Sheet

# Groundsman Geometry

Objective: To calculate the area of a section of a football pitch



- 1) What is the area of the 6 yard box (smallest rectangle)?

$$\text{—————} \times \text{—————} = \text{—————}$$

- 2) What is the area of the 18 yard box (biggest rectangle)?

$$\text{—————} \times \text{—————} = \text{—————}$$

- 3) How much bigger is the area of the 18 yard box than the 6 yard box?