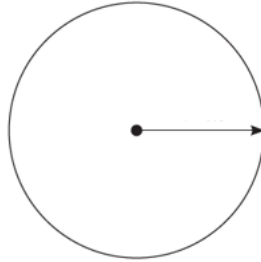


## Pearson Functional Skills Maths | Level 2 | Numberless Problem-Solving Area, Perimeter and Volume Worksheet

### Question 1

Joanne is a landscape gardener.

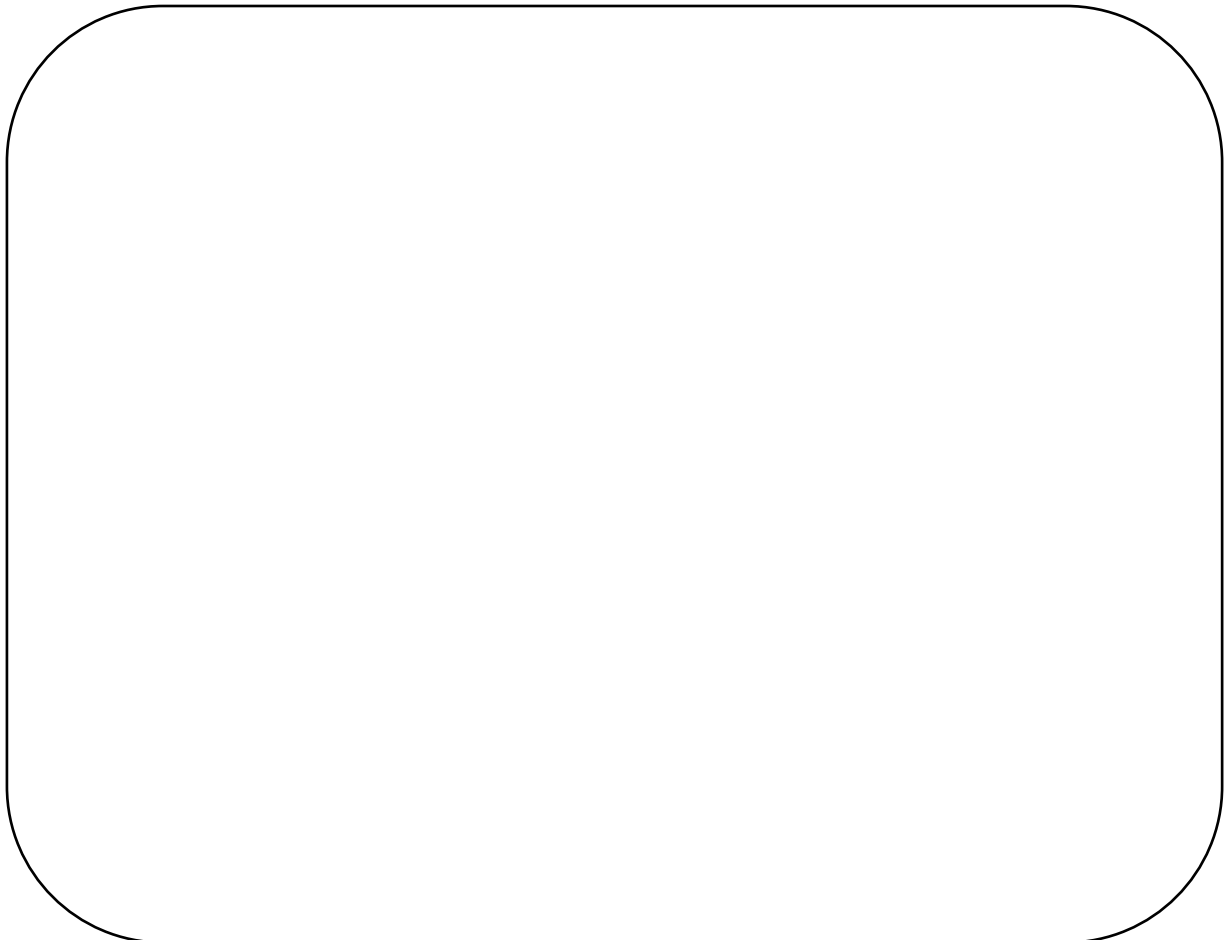
She has to fill a circular space with flowers.



She knows the radius of the circular space.

She will plant a certain number of flowers per square metre of space.

How will she know how many flowers she will need to plant?

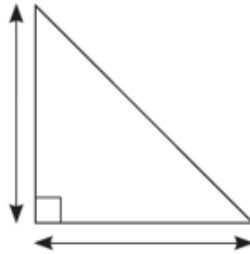
A large, empty rounded rectangular box with a black border, intended for the student to write their answer to the question.

**Question 2**

Usha is a local councillor.

She wants to build a new housing development.

The diagram shows the space for the new development.



She is comparing the size of the development to the size of a football pitch.



The diagrams are not to scale.

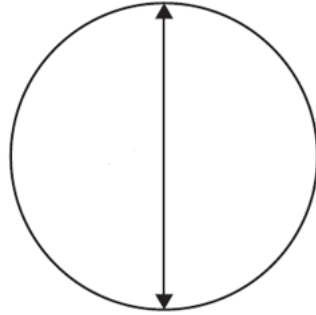
How will she work out how many football pitches the development is equal to?

**Question 3**

Rochelle is a designer.

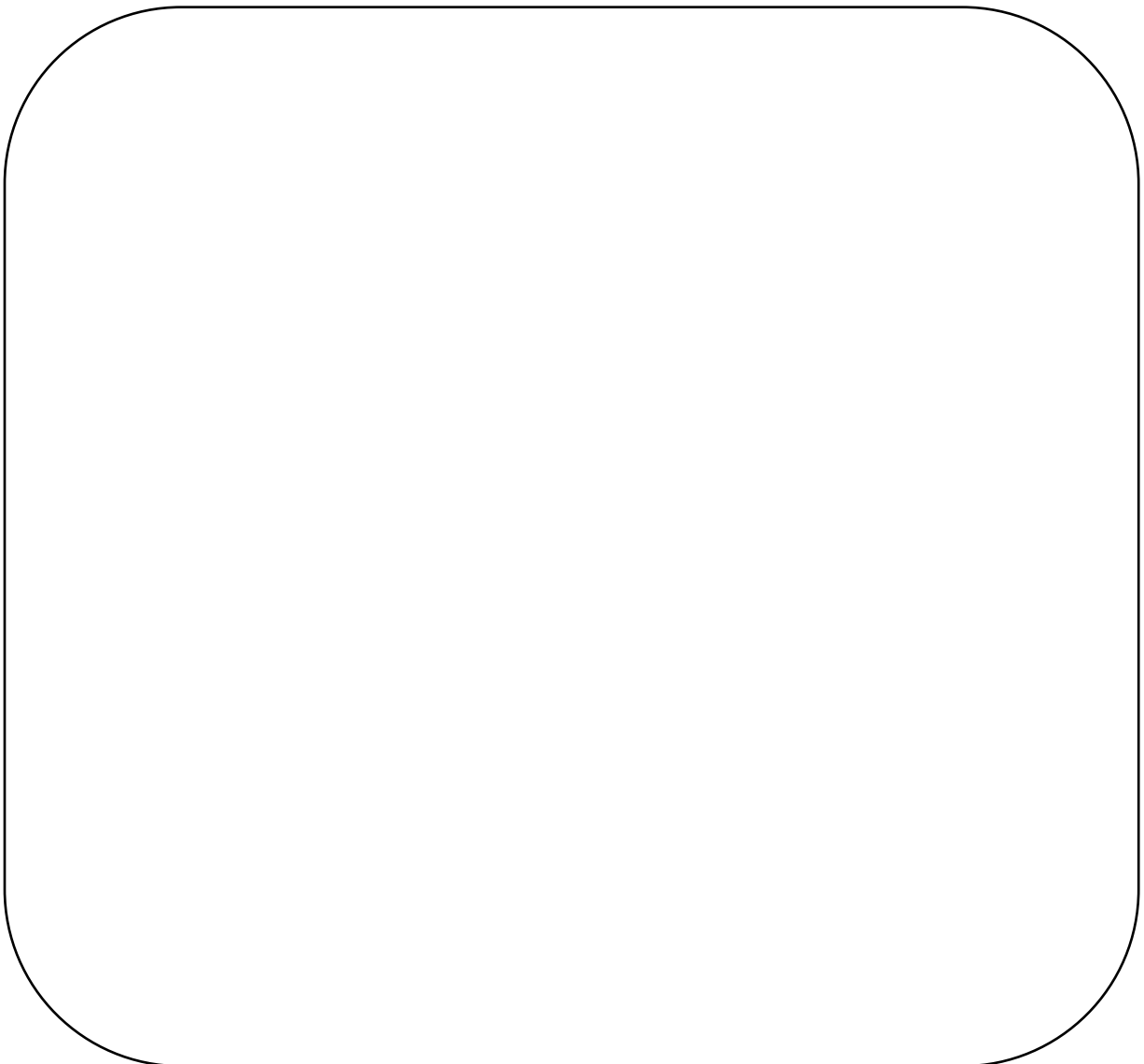
She needs to put some lights around a circular bandstand in a park.

She has this plan view of the bandstand.



She knows how much the lights cost per metre.

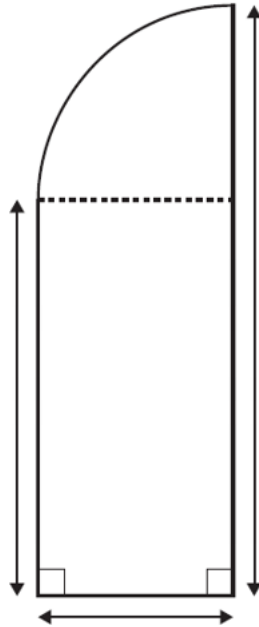
How does she work out the cost of the lights needed for the design?



**Question 4**

Tyson needs to cover a wooden floor with varnish.

The floor is the shape of a rectangle and a quarter circle.



Tyson knows how much a tin of varnish covers and how much it costs.

Tyson has a set amount of money to buy the varnish.

How will he know if he has enough money?

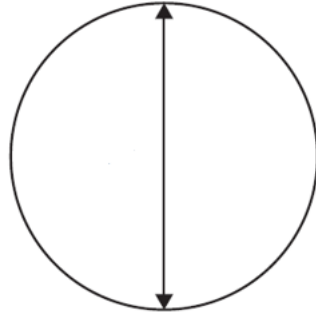


**Question 5**

Emma and Darren are planning their wedding.

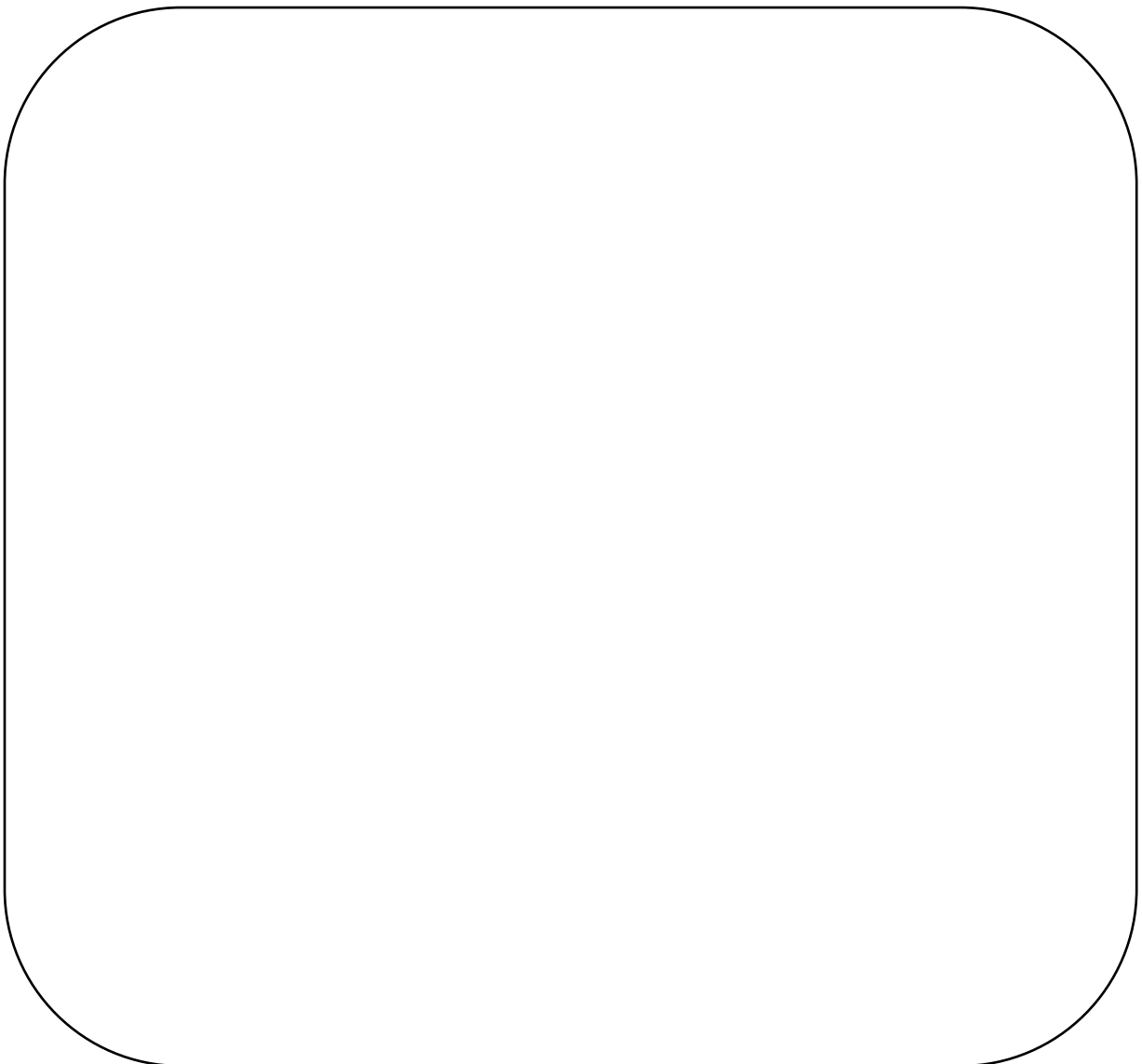
They know how many people will be there.

Each table at the reception is circular and seats a set number of people.



Emma and Darren want to put ribbon around the edge of each table.

How will they know how much ribbon to buy?



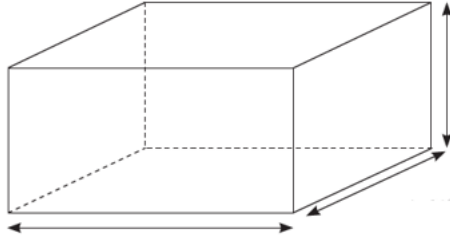
**Question 6**

Jagdeep has a contract to paint water tanks.

Each water tank is identical.

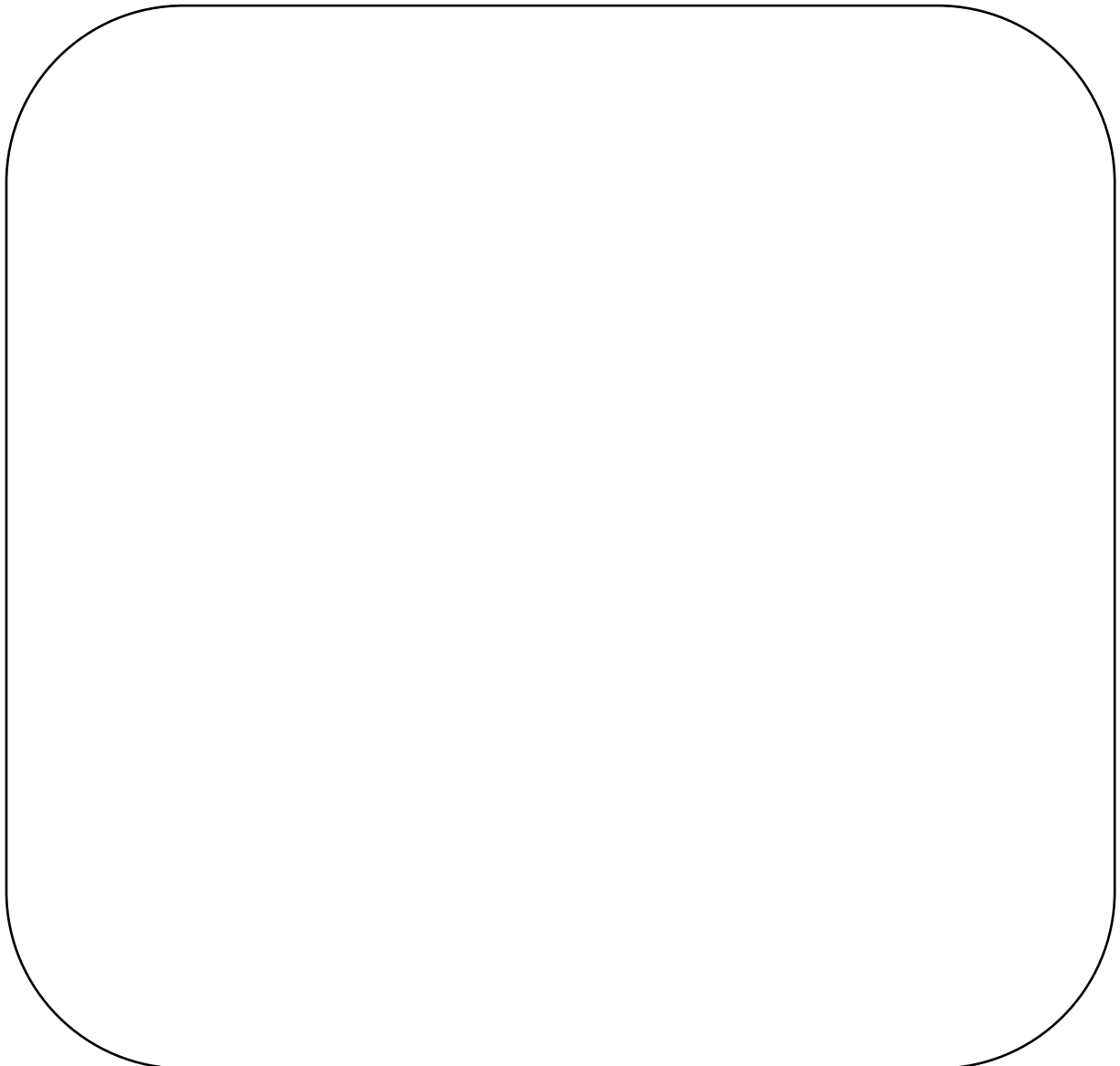
She has to paint the outside surfaces of each tank.

Each surface is rectangular.



Jagdeep knows how much one tin of paint costs and how much surface it covers.

How will she know how much it will cost to buy the paint she needs?

A large, empty rounded rectangular box with a thin black border, intended for the student to write their answer to the question.