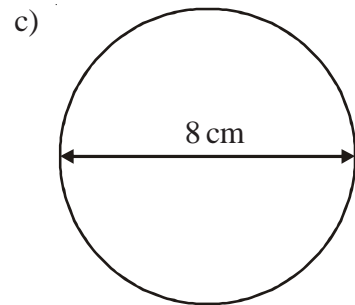
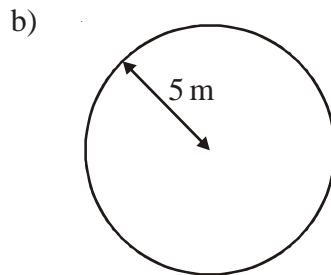
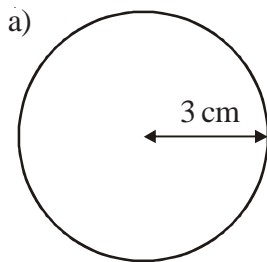
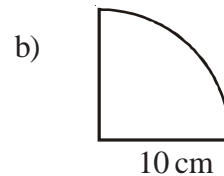
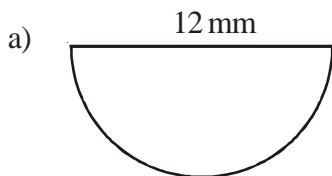




1) Find the circumference of the following shapes.



2) Work out the perimeter of the following shapes.



3) The **radius** of the top of a circular table is 60 cm.
The table also has a circular base with **diameter** 30 cm.

a) Work out the circumference of the top of the table.

Let π be 3.14

b) Work out the circumference of the base of the table.

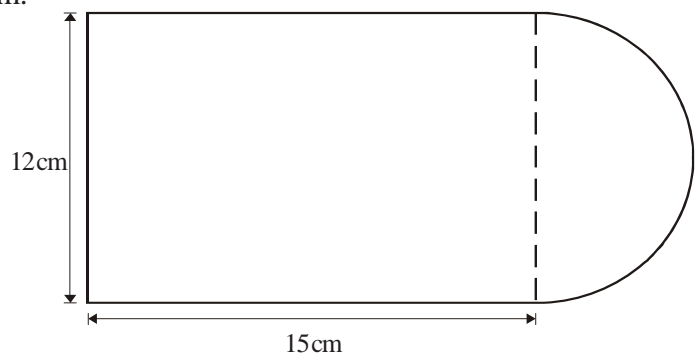
Let π be 3.14



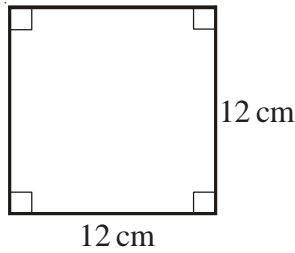
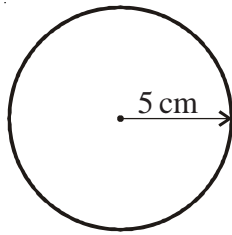
4) The diagram shows a shape, made from a semi-circle and a rectangle.
The diameter of the semi-circle is 12 cm.
The length of the rectangle is 15 cm.

Calculate the perimeter of the shape.

Give your answer correct to 3 significant figures.



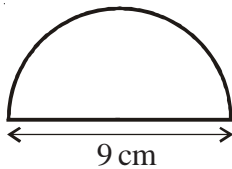
- 1) A circle has a radius of 5 cm.
A square has sides of length 12 cm.



Work out the difference between the area of the circle and the area of the square if you take π to be 3.



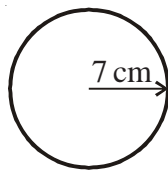
- 2) Here is a tile in the shape of a semi-circle.



The diameter of the semi-circle is 9 cm.
Work out the perimeter of the tile.
Give your answer correct to two decimal places.



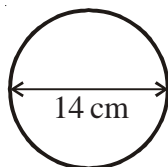
- 3) A circle has a radius of 7 cm.



Work out the area of the circle.
Give your answer correct to three significant figures.



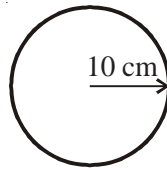
- 4) A circle has a diameter of 14 cm.



Work out the circumference of the circle.
Give your answer correct to three significant figures.



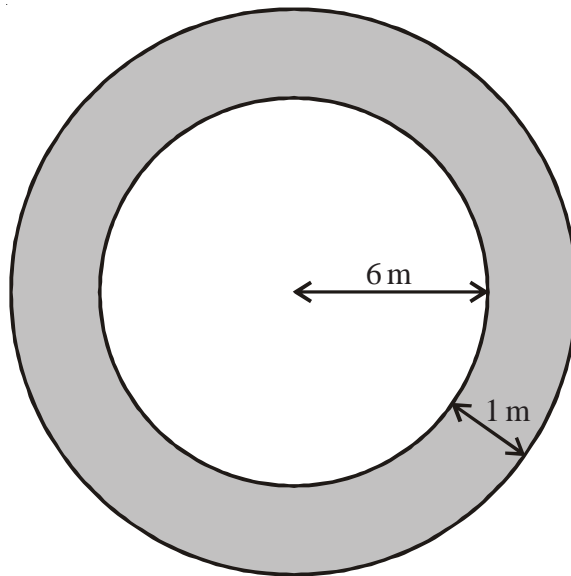
- 1) The radius of a circle is 10 cm.



Work out the area of this circle.



- 2) The diagram shows a circular pond with a path around it.



The pond has a radius of 6 m.

The path has a width of 1 m.

Work out the area of the path.

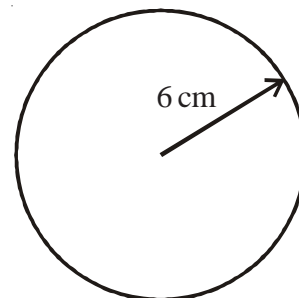
Give your answer correct to 3 significant figures.



- 3) The diagram shows a CD which has a radius of 6 cm.

- a) Work out the circumference of the CD.

Give your answer correct to 3 significant figures.



CDs of this size are cut from rectangular sheets of plastic.

Each sheet is 1 metre long and 50 cm wide.

- b) Work out the greatest number of CDs which can be cut from one rectangular sheet.