1. The radius of a circle is 5.6 cm.
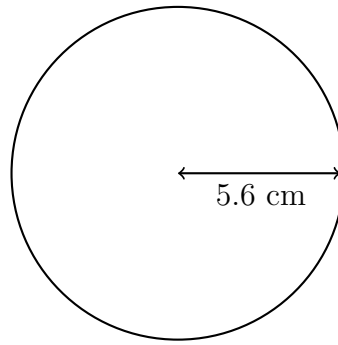

5.6 cm

Diagram NOT
accurately drawn

Work out the area of this circle in cm^2.
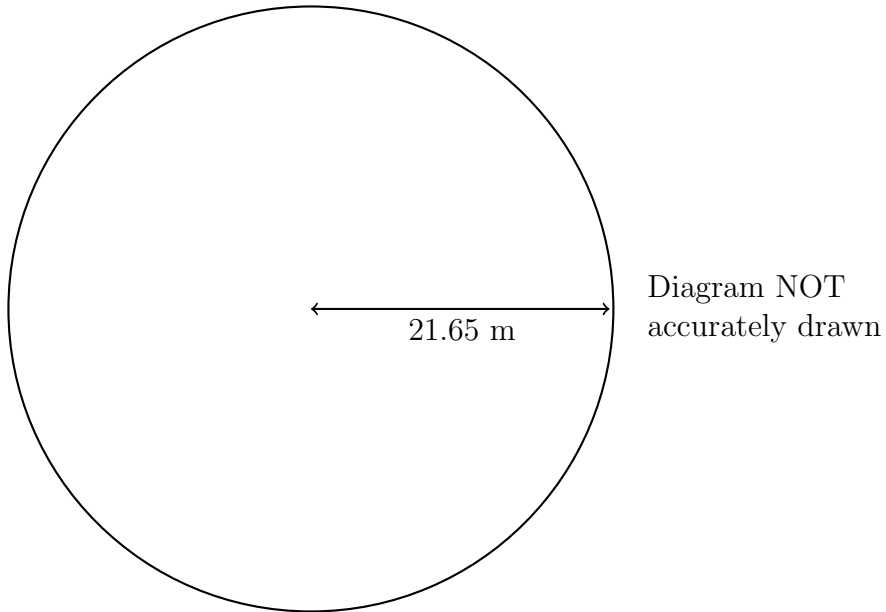
Give your answer correct to 1 decimal place.

.... cm^2

2. A circle has a radius of 15 cm.

   Work out the area of the circle in cm^2.

   Give your answer correct to nearest whole number.

$$\ldots\ldots\ldots\ldots cm^2$$

3. The diagram shows a plan view of part of the Pantheon floor in Rome.

Diagram NOT
accurately drawn

Source www.en.wikipedia.org

The part of the floor shown is in the shape of a circle.

The radius of the circle is 21.65 m.

Work out the area of the circle.

Give your answer correct to the nearest 10 m^2.

$\ldots\ldots\ldots\ldots m^2$
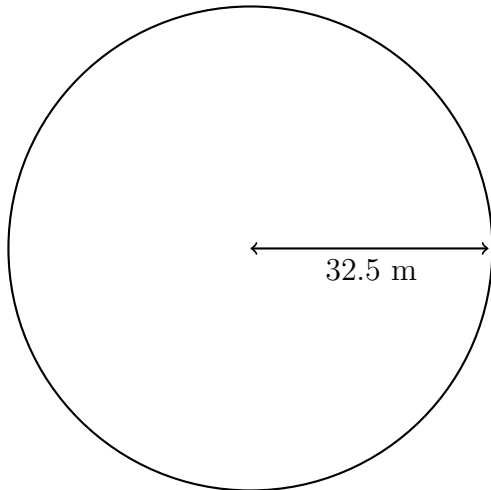
4. The diagram shows a lake.

32.5 m

Diagram NOT
accurately drawn

The lake is in the shape of a circle.

The radius of the circle is 32.5 m.

Work out the surface area of the lake.

Give your answer correct to the nearest 10 m^2.

$\ldots\ldots\ldots\ldots m^2$

Answers

1. 98.5 cm^2

2. 707 cm^2

3. 1470 m^2

4. 3320 m^2