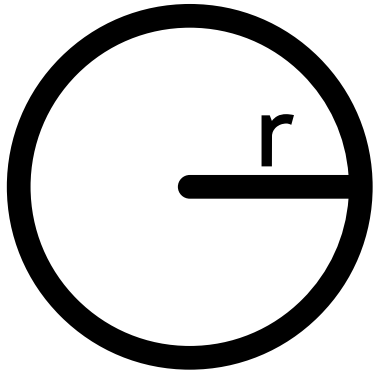# Area of a Circle

$$\text{Area} = \pi r^2$$

Activity:

1. The following are the dimensions of some circular laminas.   Find the area of each lamina. (Use 22/7 for the value of π)

    a. Radius 14 cm

    b. Radius 21 cm

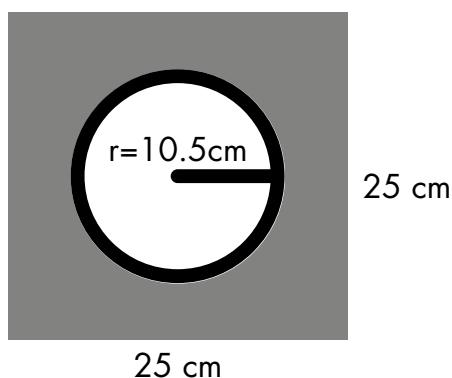   c. Diameter 7 cm

    d. Diameter 21 cm

2. The following are areas of some circular laminas. Calculate the radius of each lamina.

    a. 616 cm^2

    b. 1386 cm^2

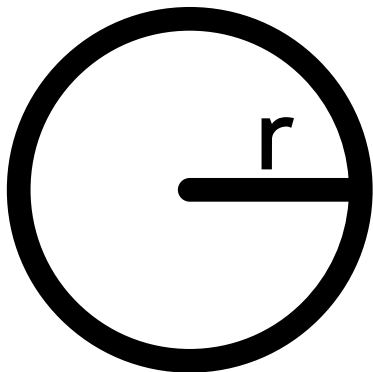3. Find the area of the shaded part in each figure given below.

r=10.5cm

25 cm

25 cm

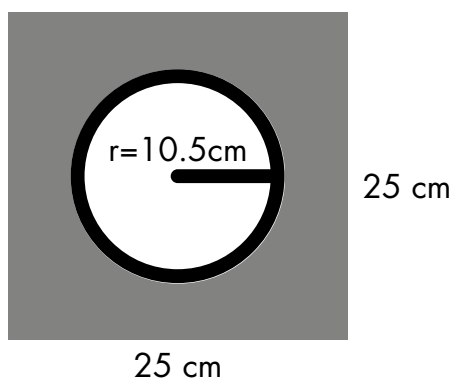# Answer key

Area of a Circle

$$Area = \pi r^2$$

Activity:

1. The following are the dimensions of some circular laminas. Find the area of each lamina. (Use 22/7 for the value of π)

   a. Radius 14 cm   **= 616cm^2**

   b. Radius 21 cm   **=1386cm^2**

   c. Diameter 7 cm   **= 38.5cm^2**

   d. Diameter 21 cm   **= 346.5cm^2**

2. The following are areas of some circular laminas. Calculate the radius of each lamina.

   a. 616 cm^2 **= 14cm**

   b. 1386 cm^2 **= 21 cm**

3. Find the area of the shaded part in each figure given below.

r=10.5cm

25 cm

25 cm

= 278.5cm^2