WEEKLY SCHOOL Grade 09 (23) Area 1st Week (October) The area of a circle

- Do the activity 02 of the lesson Area In your test book (p.g No 39)
- Through the above activity you can find a formula for the area of a circle as $A = \pi r^2$

Example (1) find the area of a circular lamina of radius 7cm



(2) Find the area of a circular lamina of diameter 21cm

Diameter (d) = 21cm
Radius (r) =
$$\underline{21}$$
 cm
2
 \therefore Area = πr^2
= $\frac{^{11}22}{^{12}2} \times \frac{^{3}21}{^{12}2} \times \frac{21}{^{22}1}$
= $\frac{693 \text{ cm}^2}{^{22}2}$
= $346.5 \text{ cm}^2//$

(3) Calculate the radius of a circular lamina of area 616 cm²

Area =
$$\pi r^2$$

 $616 = \pi r^2$
 $616 = \frac{22}{7} X r^2$
 $\frac{616 X 7}{7} = r^2$
 22
 $196 = r^2$
 $\sqrt{196} = r$
 $14 \text{cm} = r //$