

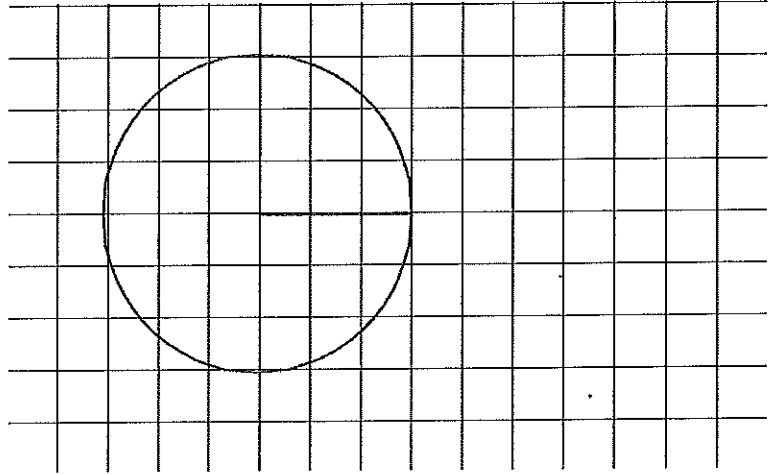
Name \_\_\_\_\_

Hour \_\_\_\_\_

Date \_\_\_\_\_

### Area of a Circle

There is a relationship between the \_\_\_\_\_ of a circle and its \_\_\_\_\_.



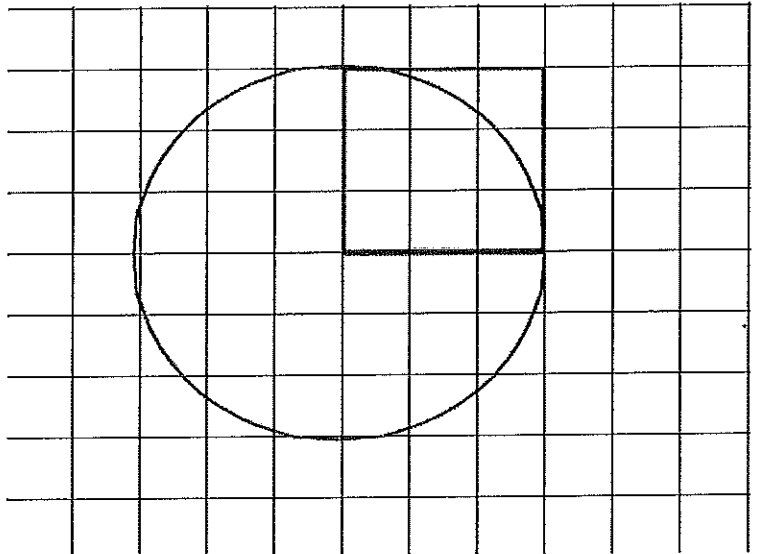
Draw a square based on the length of the radius. This is called the \_\_\_\_\_.

\_\_\_\_\_.

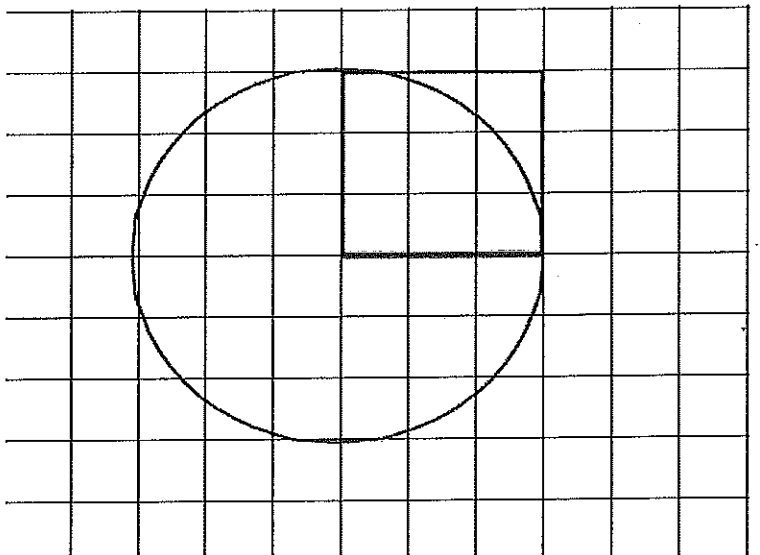
The length of the radius is \_\_\_\_\_.

The area of the radius squared

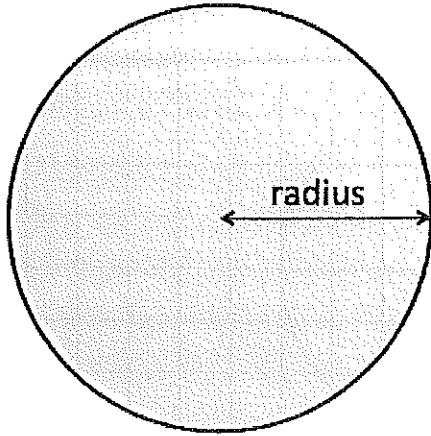
is \_\_\_\_\_.



How many radius squares can fit inside the circle?



## Formula for Area of a Circle



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

$$\text{Area} = r \cdot r \cdot \pi$$

$$\text{Area of a circle} = \pi r^2$$

