

# Revisiting Area: Circles

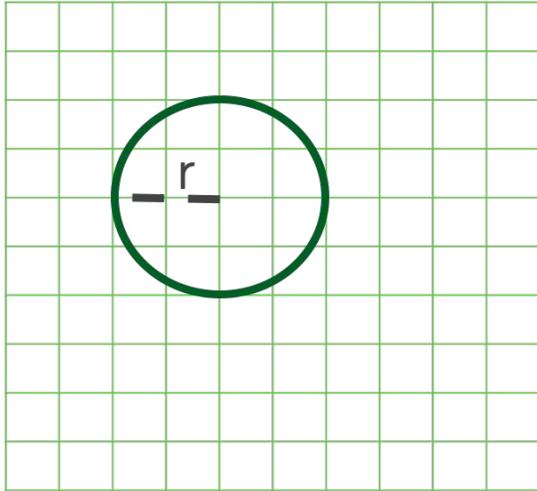
## Worksheet

Mathematics

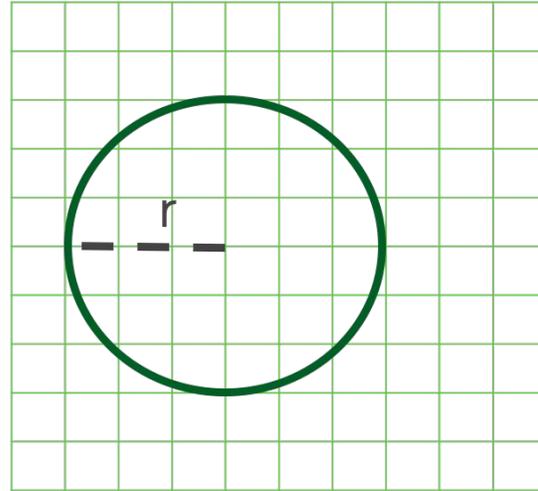
Mr. Maseko



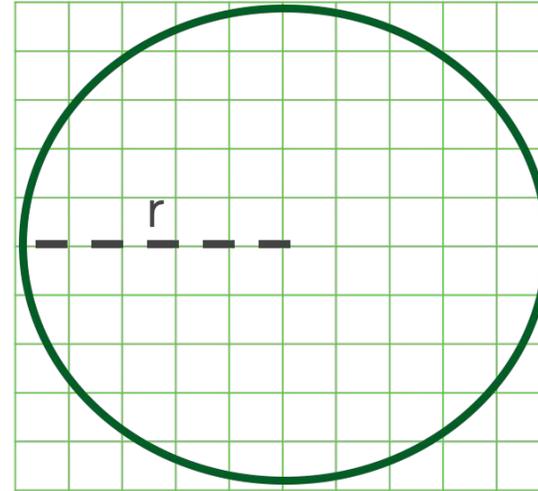
## Try this



Circle radius = 2cm



Circle radius = 3cm



Circle radius = 5cm

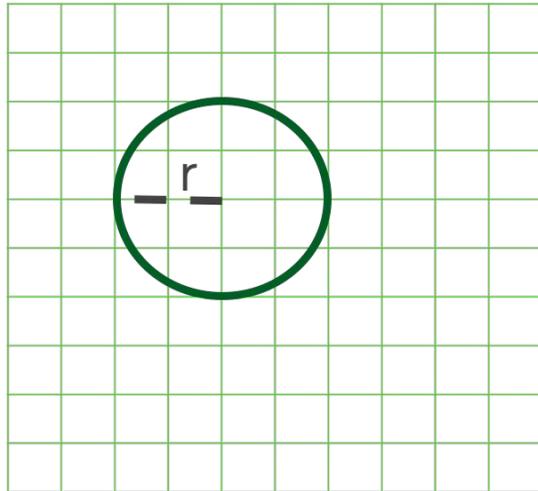
By counting squares, state an approximate area for each of the circles.

What relationship can you see between the approximate area and the radius?

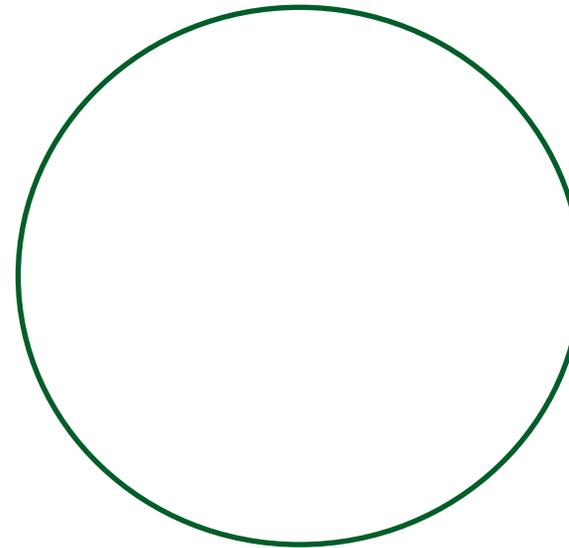


# Connect

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



Circle radius = 2cm

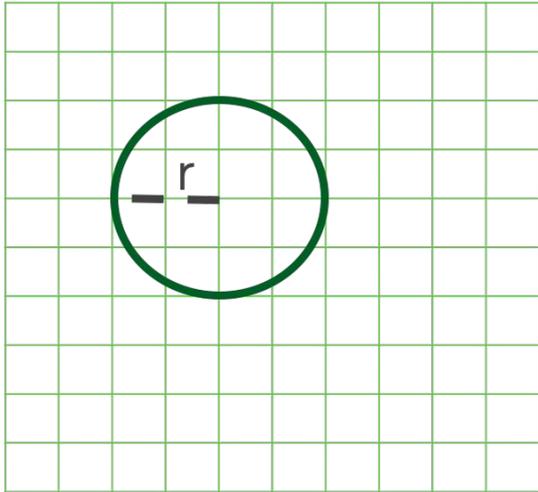


This circle has a radius of 8cm.

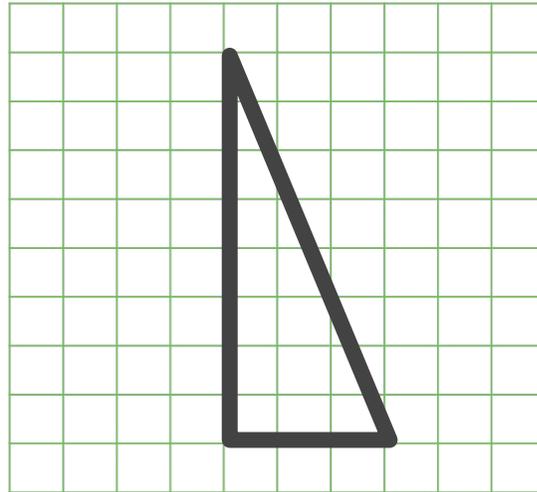
What is its area?



# Connect



Circle radius = 2cm



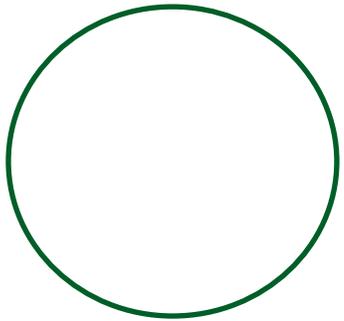
Which shape has a bigger area?

How do you know?

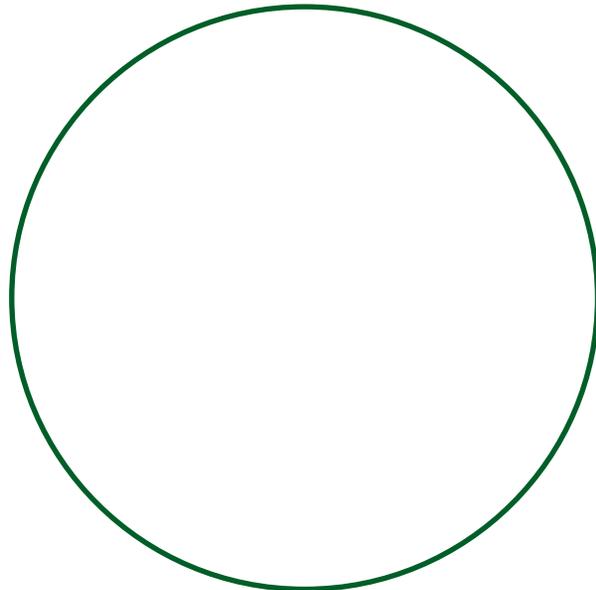


# Independent task

1) Work out the area of the following circles

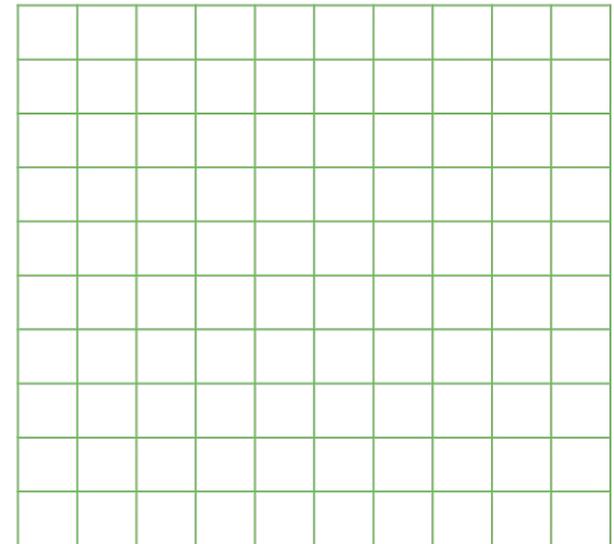


Radius = 4cm



Radius = 8cm

2) On the grid below, draw the largest triangle with integer side lengths and an area smaller than that of a circle with radius 3cm.



# Explore

Draw 3 different shapes that all have the same area and an area bigger than that of a circle with radius 4cm.

