Y-axis (dollars): $225, $200, $175, $150, $125, $100, $75, $50, $25, $0

X-axis: 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

Lawns Mowed

You have a lawn mower and your parents will pay for maintenance and gas if you make use of your summer by starting a lawn mowing business. You will make $25 for each lawn you mow. This means that, if I tell you how many lawns you mow you can figure out how much you earned OR if I tell you how much your earned, you can tell me how many lawns you mowed. Each point has TWO pieces of information!

Plot the following points with
Your small group:
You mowed 0 lawns (0, ___)
You mowed 1 lawn (1, ___)
You mowed 2 lawns (2, ___)
You mowed 3 lawns (3, ___)
You earned $100 dollars (___, 100)
You earned $200 dollars (___, 200)
Look at the point that I plotted.
Did I plot it correctly?
How do you know?

CIRCUMFERENCE

ΔY = 100

(~16, 100) — **Δ X =**

RADIUS

Plot these points:
Radius of 5 (5, ~____)
Radius of 10 (10, ~ ____)
Circumference of 72 (~____, 72)

On the Graph we have plotted
(~16, 100) and what other point?
(____, ____).

Look at the two points that are plotted.
Using these two points answer the following:

For every 100 change in Circumference,
about what will be the change in Radius?

What is the slope of this linear
relationship?