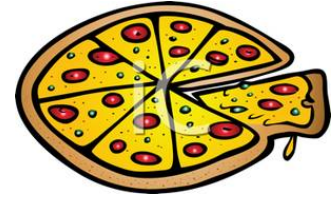# Pizza Pizza Pizza

At the Pizzeria you are presented with the following dilemma: Which is more pizza, two slices from a 9" pizza or 1 slice from an 18" pizza?

Understand the problem:
What facts and knowledge are needed?

What assumptions must you consider?

Describe the Geogebra model for this problem:
Draw a picture of the Geogebra model.

What are the independent variables?

What is the dependent variable?

Data:
Record the pizza area changes from 1 to 2 slices of pizza.   _____

Record the pizza area changes from a 9" to 18" pizza. _____

Conclusion:
Which is more pizza, two slices from a 9" pizza or 1 slice from an 18" pizza? Why

Generalization:
Generalization your solution to the pizza problem with an equation for each pizza option that is related to the equation for the area of a circle sector.