

The following data was obtained by planting Radish and Basil seeds

1.) Calculate the missing average biomass values form the tables.

Radish: Intraspecific Competition		
Seeds per pot	Total biomass per pot (grams)	Average biomass = $\frac{\text{Total biomass}}{\text{Number of seeds per pot}}$
1	3	
10	18	
20	25	

Basil: Intraspecific Competition		
Seeds per pot	Total biomass per pot (grams)	Average biomass = $\frac{\text{Total biomass}}{\text{Number of seeds per pot}}$
1	4	
10	25	
20	33	

Analysis of Radish: Intraspecific Competition and Basil: Intraspecific Competition

1.) How did the average biomass change as the number of seeds per pot increased?

2.) What might have caused this?

Radish and Basil Interspecific Competition				
	Seeds per pot	Biomass of each plant type (grams)	Total biomass per pot (grams)	Average biomass = $\frac{\text{Total biomass}}{\text{Number of seeds per pot}}$
Pot 1	1 radish	3	7	
	1 basil	4		
Pot 2	5 radish	9.5	22.5	
	5 basil	13		
Pot 3	10 radish	16	38	
	10 basil	22		

Analysis of Radish and Basil Interspecific Competition

1.) How did the average biomass change as the number of seeds per pot increased?

2.) What might have caused this?

Use your tables to answer the flowing question by analyzing the average biomass of each plant type.

3.) Did intraspecific or interspecific competition affect the growth of plants more? Why?
