Name:_____

The Petri Dish!

Part 1

First, design 3 critters that will grow in your petri dish. Make each one a different colour.

Introducing "The Critters"		

Each day, this population of critters grows:

Critter 1

Each day, the population increases by 1

Day	Population
1	1
2	
3	
4	
5	
6	
7	
8	

Critter 2

Each day, the population increases by 2

Day	Population
1	1
2	
3	
4	
5	
6	
7	
8	

Critter 3

Each day, the population increases by 3

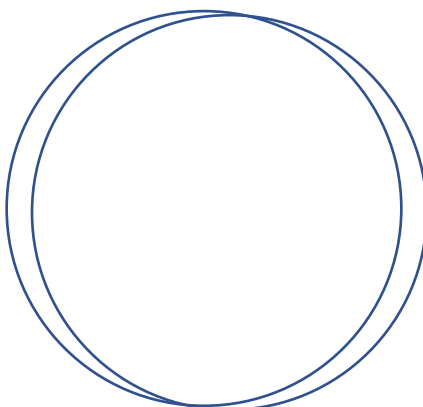| Day	Population
1	1
2	
3	
4	
5	
6	
7	
8	

Show the total population growth over time. The critters share the same petri dish but are growing at different rates. The "critters" appear very small in your petri dish, by the way. They should be smaller than a grain of rice.
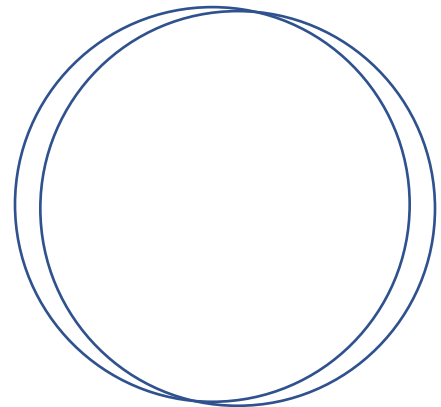
Day 1   Day 2   Day 3

Name:_____

Day 4

Day 5

Day 6

Day 7

Day 8

Make a line graph showing the population growth of the three critters. Label the x and y axis. Include a title. Each critter will have its own line of growth. Make it clear which line belongs to which critter.
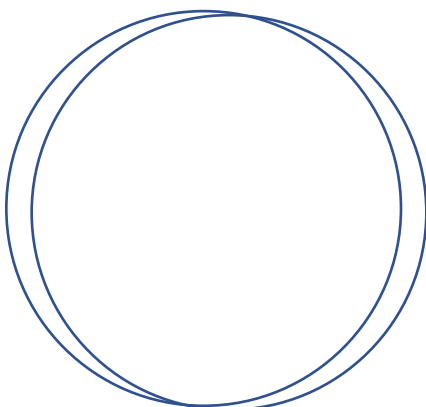
Name:_____

Now it is time to make sense of the percentage of each critter over time:

	Total Population:	Critter 1		Critter 2		Critter 3	
		Fraction	Percent	Fraction	Percent	Fraction	Percent
Day 1							
Day 2							
Day 3							
Day 4							
Day 5							
Day 6							
Day 7							
Day 8							

What patterns do you notice?