



Let's see how close your data came to predicting the actual population counts! Fill in the predicted column of Table Two with the numbers from the last row of Table One. Count out 100 candy critters from the cup to see if the actual number of each color agrees with the predicted number.

	Predicted (Table One)	Actual (Count out 100)
Red		
Green		
Yellow		
Orange		
Purple		

#### Analysis Questions

1. What is an ecological population?
2. How did your actual and predicted numbers compare on the small samples in Table One?
3. Why do you think you were asked to repeat the small sample procedure five times?
4. How did your actual and predicted numbers compare on the large sample in Table Two?
5. How do you think your predicted numbers in Table Two would compare to a 100 candy sample from a different population (cup?)
6. Name two situations in which this type of sampling technique would be useful to a biologist.
  - 1.
  - 2.
7. What is meant by a "representative sample?"
8. Name two obstacles a biologist might face in collecting a representative sample of organisms.
  - 1.
  - 2.