

**The Candy Lab:**

The team is wondering if companies make sure that there is an even distribution of colours in commercially prepared candy packages. They think that there should be an even distribution of each colour in each package. To test their theory they decide that they should count several boxes of candies to find out...can you possibly help them test their hypothesis?

<b>Question:</b>								
<b>TEAM BIPS Hypothesis (If...then...):</b>								
<b>Your Hypothesis:</b>								
<b>Materials:</b>								
<b>Procedure: (Please have at least three steps)</b>								
<b>Data: (Please record in the table below)</b>								
<b>Colour</b>	<b>Red</b>	<b>Brown</b>	<b>Green</b>	<b>Orange</b>	<b>Yellow</b>	<b>Pink</b>	<b>Blue</b>	<b>Purple</b>
<b>Number</b>								
<b>Conclusions:</b>								

**Reflection:**

1. State the independent variable for this experiment:
2. What was the dependent variable?
3. What were your control variables in this experiment?
4. Why do you need to control variables in the experiment?
5. How could the results have been affected if we did not control these variables? Explain.
6. Based on your results, was your hypothesis correct? Explain.
7. What could you do to further test your results? What variables could be tested next?