

Counting Skittles and Averaging the Colors of each in a package

Grades 7

Overview	The purpose of this lesson is to have students learn about collecting data about the different number of skittles in a package, while then entering it within ChartGizmo.
Objectives	<ol style="list-style-type: none"> 1. Have students count and separate their Skittles into colors. 2. Learn ratios, decimals, and percentages within the colors of Skittles. 3. Collect data and record within ChartGizmo.
Materials	<ul style="list-style-type: none"> • Skittles
Standards <div style="border: 1px solid black; padding: 5px; width: fit-content;"> http://dc.doe.in.gov/Standards/AcademicStandards/StandardSearch.aspx </div>	<p>7.2 Students solve problems involving integers, fractions, decimals, ratios, and percentages.</p> <p>7.3 Students express quantitative relationships using algebraic terminology, expressions, equations, inequalities, and graphs.</p> <p>7.6 Students collect, organize, and represent data sets and identify relationships among variables within a data set. They determine probabilities and use them to make predictions about events.</p>
Procedure	<ol style="list-style-type: none"> 1. Open Skittles package and have students separate them into colors. 2. After separating record the number of Skittles each color had. 3. Take data as a class. 4. Record those numbers into a chart with ChartGizmo. 5. After all the data has been collected students are free to eat the Skittles.
Evaluation	<ul style="list-style-type: none"> • Evaluate students by making sure the data was recorded and put into chart format using ChartGizmo. • Students who successfully do this will receive full credit for the 9 week project.