

Mighty m & m math

Recommended grades level(s) 9 -12

Time Duration: - 50 minutes

Objective(s):

The learner will be able to manipulate fractions and percentages.

The learner will be able to use data to create spreadsheets and histograms.

Materials and/or Resources:

Bag of plain M & Ms (1.69 oz.)

Calculators

Data tables

Background Information:

Mighty m & m Math teaches fractions and percentages in a motivating and mouth-watering way. Using bags of m & m's answer these questions.

1. What is the percentage of each color?
2. Are the percentages similar worldwide?

Procedures:

1. Divide class into partners or small groups.
2. Predict
 - The total number of m & ms in each bag
 - The most and least common colors, and
 - The class' favorite color.
3. Determine the groups' actual number of each color
4. Determine the groups' percentages.
5. Determine class average percentage for each color
6. Submit information from # 5 rounded to the nearest whole number
7. Analyze results.
8. Graph class data
9. Enter data on spreadsheet

10. Create a histogram

11. Repeat the activity using other size bags or peanut m & ms.

Development Resources:

<http://mighyy-mm-math.caffeinated.org/>