

# *Mr. G's Math Marvels*

**Lesson:** Number Sense, Geometry and Spatial Sense-Handout #11A & #11B

**Facilitator:** Gary Walton, Mr. G.,  
BECON Studio Teacher

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## Lesson Plan

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**Grade Level:** 3

**Sunshine State Standard:** MA.A.5.2.1, MA.C.1.2.1

**Objective:**

1. Students will be able to create various geometric shapes by finding the multiple sums of the numbers 1 through 9.
2. Students will use these multiple sums to create geometric shapes on the perimeter of a circle whose points are 40 degrees apart.

**Activity:**

1. Students find the first ten multiples of all numbers from 1 through 9.
2. Students add the digits of the multiples to create a one digit sum.
3. If the multiple is already a one digit number, leave the number as it is.
4. If the sum of the digits yields a two digit sum, add those digits together to produce a one digit sum.
5. Students choose one of the sets of multiples and its one digit sum to create a geometric shape. Find the digital sum on the circle and construct segments from that digital sum to the location of the second digital sum. Continue this process.
6. Students continue constructing line segments until the first digital sum appears again.

**Materials Needed:** Handout #11A and #11B, ruler, and pencil.