



Rolling Down the Number Line

(addition and subtraction edition Grade 1)

Materials:

- Charged Sphero Mini
- SpheroEdu app
- Personal device
- Masking/painters tape
- Markers
- Word Problems

Teacher Required Technology Skills:

- Sphero Mini
- SpheroEdu

Description: In this activity students will use the Sphero Mini to practice solving word problems. Students will do this by rolling their robot up and down the number line to solve the addition or subtraction equations in the word problem.

Standards: Next Generation Math Standards

NY-1 OA Operations and Algebraic Thinking:

1. Use addition and subtraction withing 20 to solve one step word problems involving situations of adding to , taking from, putting together, taking apart, and/or comparing, with unknowns in all positions.

Procedure:

1. Using the tape create a 1-20 number line on a flat surface.
2. Distribute word problems.
3. In drive or draw mode have the students solve the word problems by rolling the Sphero Mini up and down the number line.

Extension:

1. Students can solve problems that call for addition of three whole numbers whose sum in less then or equal to 20.