



Rolling Down the Number Line (Fraction Edition)

Materials:

- Charged Sphero SPRK+ or Bolt
- Access to SpheroEdu app
- Personal device
- Large flat surface
- Masking/painters tap
- Markers
- Type of place marker (if possible assign each student a color)
- Crayons
- Fractions worksheet

Required Teacher Technology Skills: Sphero SPRK+ or Bolt, Sphero Edu

Description: In this activity students will use the Sphero SPRK+ or Bolt to practice fractions. They will do this by rolling their robot to the assigned fraction on the number line.

Standards: NY-3.NF: Develop an understanding of fractions as numbers, 1 and 2

Procedure:

1. Using the tape create a numberline on the flat surface.
2. Label the number line in even increments 1-10.
3. In between each number mark, label quarter and third marks.
-Tip- If possible use different colored tape for quarter marks. If different colored tape is not possible make sure to clearly label $\frac{1}{4}$ and $\frac{1}{3}$.
4. Have the students sign into SpheroEdu and power up their Sphero SPRK+ or Bolt.
5. Using the drive or draw mode have the students complete the attached worksheet.

Extension Activity:

1. Students can begin to express whole numbers as fractions.
2. Students can begin to add or subtract fractions.

Rolling Down the Number Line (Fraction edition)

1. Using draw or drive mode, roll your Sphero SPRK+ or Bolt to the following fractions on the number line. Once you have arrived, place a maker on your answer.
2. Once you have placed your pin, color in the box for that fraction.

$\frac{1}{2}$	$\frac{3}{3}$	$\frac{4}{4}$	$\frac{3}{4}$	$\frac{1}{3}$
$\frac{2}{4}$	$\frac{4}{2}$	$\frac{2}{3}$	$\frac{1}{4}$	$\frac{4}{3}$