

HUNGRY, HUNGRY OZOBOT! (Educator's Guide)

Information: Duration: 45 min **Grades:** K-1 **Experience:** Beginner **Group Size:** 2-4 Students

Main Topic: Comparing Numbers CCSS.MATH.CONTENT.K.CC.C.6

Summary/Goal: In this cooperative game, students will draw two number cards and work together to 1) identify the numbers on the cards, 2) count out the appropriate number of food props, and 3) determine which amount is greater. At the end of the game, they will count all the food to see how much they collected for their Hungry Hungry Ozobot!

Materials:

- One copy of game per group
- Scissors
- Tape
- Bit or Evo by Ozobot, one per group
- Computer or tablet (Evo only)

Setup:

1. Print one copy of the game playfield and cutouts per group.
2. Cut out the props and cards from the cutout page (or have the groups cut out their own for scissors practice).
3. Fold food props in half.
4. Construct the bot's Greater Than symbol (masquerading as Ozobot's mouth!) by following instructions on the cut-out sheet, and tape it to the bot.
5. Shuffle number cards and place them face-down in a pile.
6. Calibrate your bot.

How to Play

1. From the number cards pile, the group will draw two cards and place them on the squares on the playfield.
2. For each card, count out that number of food items for each number and place them within the corresponding circle.
3. Once the group decides which number is greater, place the bot on the correct line and have Ozobot collect the food.
*Note: For Evo, you will need to double-click the power button to ensure the bot will be able to follow lines until the end.
4. Set the food aside and repeat steps 1-3 for two rounds (K) or three rounds (1st).
5. As a group, count/add (if applicable) how much food was collected.
6. Play again, as many times as you'd like!
7. For Evo, load the program provided to Evo to temporarily turn off Evo's sensors (<http://ozoblockly.com/editor#6wccq6o>)

Discussion

- What did Ozobot's mouth look like when it was choosing the "greater" number?
- Using the visual of the food and Ozobot's mouth, practice different ways of saying "greater than" (e.g. 5 snacks is more food for Ozobot than 2 snacks, etc).

Variation

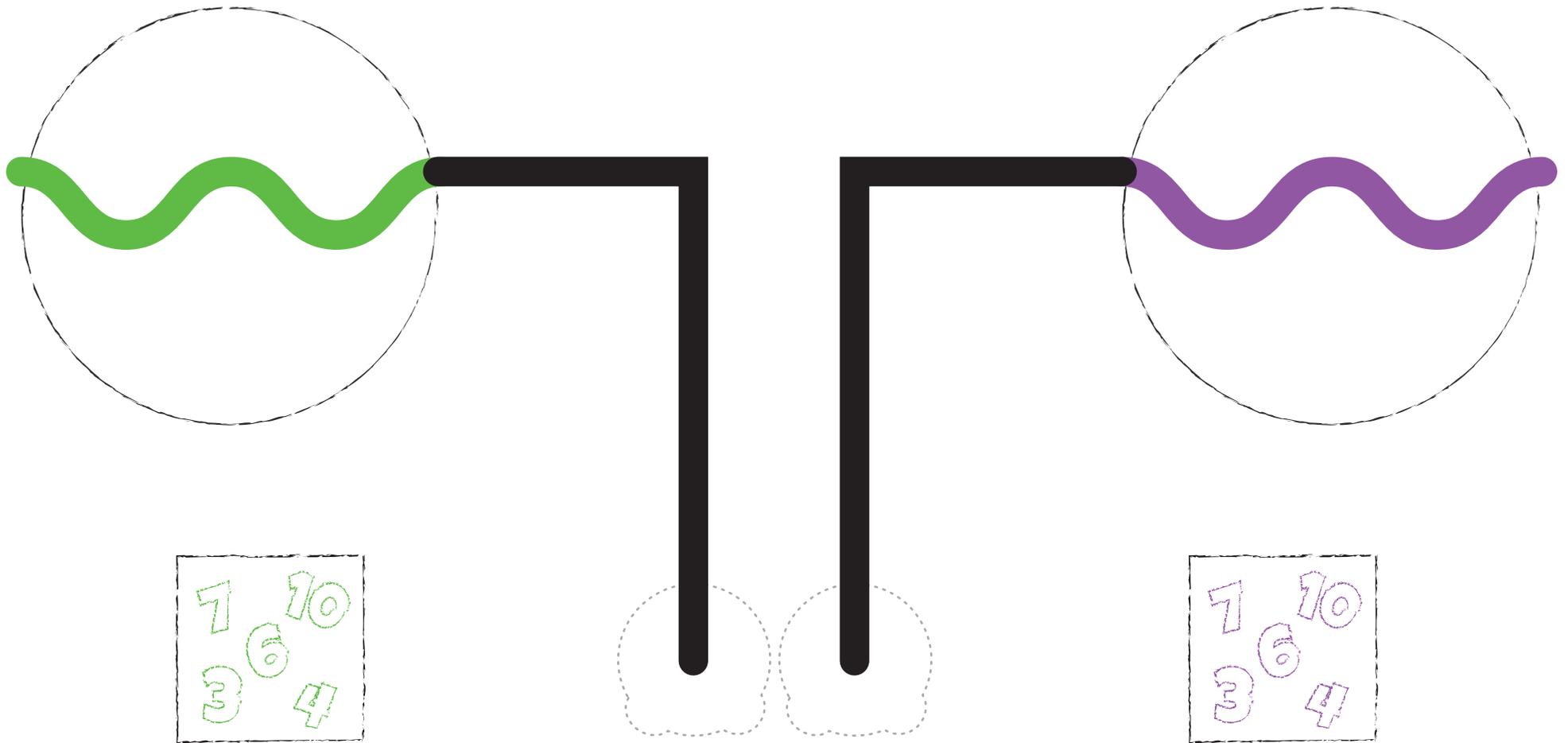
Take out number cards 6-10 and practice addition (rather than just counting objects).

Other Academic Standards

CCSS.MATH.CONTENT.K.CC.B.4 • CCSS.MATH.CONTENT.K.CC.B.4.A

CCSS.MATH.CONTENT.K.CC.B.4.B • CCSS.MATH.CONTENT.K.CC.B.4.C • CCSS.MATH.CONTENT.K.CC.B.5

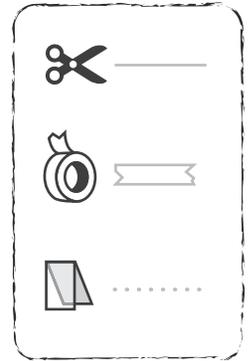
CCSS.MATH.CONTENT.K.CC.C.6 • CCSS.MATH.CONTENT.K.CC.C.7CCSS.MATH.CONTENT.1.OA.A.2



1. NUMBER CARDS

1	2
3	4
5	6
7	8
9	10

2. MOUTH OF OZOBOT



Instruction for prepare Ozobot mouth



3. FOOD FOR OZOBOT

Cutouts will be folded and placed as close to the squiggly line as possible.

