Where Do I Belong?

6675

Introduction

In this activity, students use Venn diagrams to make several types of classifications.

Grades 6-8

NCTM Number and Operations Standards

- Understand numbers, ways of representing numbers, relationships among numbers, and number systems
- Use factors, multiples, prime factorization, and relatively prime numbers to solve problems

Files/Materials Needed

Word Venn Diagram.act, Number Venn Diagram.act, Even Odd Prime.act

1

a. Launch TI-Navigator™ on the computer and start the session.
b. Have each student log into NavNet on their calculator.

2

Load the ***Word Venn Diagram.act*** activity settings file into Activity Center. This sets up the Activity Center so that the students will have a Venn diagram of three intersecting circles: consonants, vowels, and numbers. Students will have 0 points to submit, so they will be free floating in the Activity Center after you start the activity.

3

a. Give students a word or name and tell them to move their cursor to the appropriate region. For instance, R2D2 would belong in the region where only consonants and numbers overlap.
b. You may want to hide the Activity Center window while students are moving their cursors, pause the activity, and then reveal their locations. Be sure to pause the activity when you want to have a discussion, because moving cursors can be a distraction.
c. Repeat with several words or names. Other examples to try are: CPR, MATH, 911, and C3PO.

4

a. Load the ***Number Venn Diagram.act*** activity settings file.
b. Give students a number and have them move their cursor to the appropriate region. For instance, -4 would belong in integers, but not whole numbers. Use examples including 0, $\frac{4}{2}$, and $\frac{2}{4}$, as appropriate for your students' ability level.
c. If students move to the "Don't Know" circle, pause the activity, discuss the number, and resume the activity.

5

a. Load the ***Even Odd Prime.act*** activity settings file.
b. Have students locate, one at a time, the appropriate region for the first 10 natural numbers.