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| **Subject:** | Math |
| **Title:** | Feed Charlie! Lesson #1 |
| **Grade Level:** | 3 |
| **Purpose:** | Show fractional amounts on shapes in order to feed Charlie the Chipmunk. |
| **Curricular**  **Connections:** | Demonstrate an understanding of fractions by:   * explaining that a fraction represents a part of a whole * describing situations in which fractions are used   Describe the characteristics of 3-D objects and 2-D shapes. |
| **Materials:** | * Smartboard, blackboard, or chart paper for demonstrating * Copies of worksheet – **“Feed Charlie the Chipmunk”** * Pencils, erasers |
| **Activity:** | 1. Class lesson on fractions. Define numerator and denominator. 2. Illustrate different fractional amounts using the same shapes that are on the worksheet: cylinder, rectangular prism, and rectangle. 3. Use different fractions than on the worksheet. Divide the different shapes to show 2/4, 1/3, 5/6, etc. 4. Demonstrate how to mark the “face” of each of the shapes to divide it into equal parts. For example:   If Charlie ate 2/4 of a container of leaf stems, show how to divide the container equally into fourths, mark 2/4, and then draw the leaf stems below that mark.   1. Distribute worksheet, **“Feed Charlie the Chipmunk”**. Read the directions. Explain to students that they must mark the container first, and then sketch the fractional amount of “food in each of the containers. 2. #5 can be done as a class or independently. 3. Students complete worksheet. |
| **Extension:** | Science connection: Students research another food that chipmunks eat and create a shape with a different fraction for that amount of food. |
| **Assessment:** | Students illustrate their knowledge of fractions by showing fractional amounts. |



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FEED CHARLIE THE CHIPMUNK!

Charlie needs to prepare for the big game. He is a vegetarian. Mark the containers to show the fraction of treats Charlie can eat. Draw the treats.

1. Charlie eats 3/4 of a container of pond weeds.

2. Give Charlie 2/3 of a box of seeds.

3. Feed Charlie 1/2 a bowl of bark.

4. Let Charlie chew 1/4 of the patch of algae.

## 5. What else can Charlie eat? Draw a picture and show the fraction.