

# Naming and Writing Fractions

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**Reporting Category** Number and Number Sense

**Topic** Naming and writing fraction

**Primary SOL** 3.3 The student will

a) name and write fractions (including mixed numbers) represented by a model.

**Related SOL** 3.3b, c

## Materials

- Fraction Models (attached)

## Vocabulary

*fraction, numerator, denominator, mixed number*

## Student/Teacher Actions (what students and teachers should be doing to facilitate learning)

1. Challenge students to brainstorm ways to describe a pizza from which some of the slices have already been eaten. Ask how they could describe the pizza now that it is no longer whole. Have students discuss the possibilities with partners or in small groups, and then have a representative from each group share suggestions with the class.
2. Distribute copies of the Fraction Models sheet, and use it to demonstrate how to show a fraction as a part of a whole, including whole numbers to display whole pieces of an object.
3. Ask students to draw their own fraction models. Then, have them exchange papers, figure out the models, and determine and write the fraction that each model represents.

## Assessment

- **Questions**
  - What does the numerator in a fraction represent?
  - What does the denominator in a fraction represent?
  - When writing a fraction, what do you do to show that you have a whole?
- **Journal/Writing Prompts**
  - Discuss why you would use a fraction to describe an object.
  - List some everyday objects that you would describe using fractions.
- **Other**
  - Have students do a fraction hunt in the classroom to record objects or pictures in which one can see a fraction represented (e.g., half a glass of water, a window shade pulled  $\frac{1}{3}$  of the way down).

## Extensions and Connections (for all students)

- Have students bring in recipes in which fractions are used to indicate the quantities of the different ingredients.

**Strategies for Differentiation**

- Have students use grid paper to assist them in drawing representations of fractions.
- Have students use construction paper to create their own fraction models.

# Fraction Models

Name: \_\_\_\_\_ Date: \_\_\_\_\_

Numerator: part (the counting number)  
Denominator: whole (the number of equal parts)

