

# Hogs on a Diet

## Objective

Students will examine grains used in animal feed. Students will sort the grains and use them to practice math facts.

## Materials

- shoebox
- assortment of animal feed grains available from feed stores — wheat, corn, soybeans, grain sorghum (Ask for samples from broken bags.)

## Procedure

1. Before class time, place a few grains of each type of feed in the shoe box. Place the shoe box on a table in the front of the room so students can see it, but don't let them move it or look inside.
  - Students will guess what is in the box.
  - Shake the box. Is there any sound? What does it sound like?
  - Open the box, and allow students to feel what is inside without seeing it. What does it feel like?
  - Show students the feed grains, and ask them to identify each one. Explain that hogs and other kinds of animals eat these kinds of grains and that, just like us, hogs need a variety of foods to help meet their nutritional needs. (See Background.)
2. Students will sort the grains, organize them in groups, count the grains in each group by ones, twos, fives and tens, and then create graphs to represent the data.
3. Students will use the grains to construct addition and subtraction facts or multiplication and division facts.

## Oklahoma Academic Standards

### PRE-KINDERGARTEN

Numbers & Operations: 1.1; 2.1,2,4; 3.1. Algebra: 1.1. Geometry & Measurement: 2.2,3. Data & Probability: 1.1,2

### KINDERGARTEN

Number & Operations: 1.1,5; 2.1; 3.1. Algebra: 1.1. Geometry & Measurement: 2.3. Data & Probability: 1.1,2,3

### GRADE 1

Numbers & Operations: 2.5,6; Data & Probability: 1.1,2,3

### GRADE 2

Numbers & Operations: 1.2,3,4; 2.1,3. Algebra: 2.2.