

PECANS

Math Lesson Plan 1

Suggested Grade Level: 3

Objective: The learner will demonstrate the ability to estimate similar volumes using agricultural commodities.

Materials Provided: "In a Nutshell" worksheet

Materials Needed: Pecans, a one-cup measuring cup, dried peas, rice, raisins, dried corn, soybeans

Activity:

Display a single pecan in its shell. Ask students to guess the amount of water the shell might hold. Place enough pecans in the measuring cup to equal the one-cup measurement. Calculate with the class..."If 8 ounces equals the volume of ____ pecans, how many ounces would equal the volume of one nut?"

As a whole class activity or as a learning center task, allow students to "pour out" the amount of rice, raisins, peas, etc. that would be able to fit inside a given nutshell. Allow students to compare and discuss their estimates.

IN A NUTSHELL WORKSHEET

How many nuts did it take to fill the measuring cup? _____

How many raisins do you estimate will fit inside one nutshell? _____

How many grains of rice? _____

How many soybeans? _____

How many kernels of corn? _____

How many peas? _____



Crack your pecan and remove the contents.
Compare each portion of peas, corn, rice, raisins, and soybeans to the contents of the shell.

Did you estimate too much or too little of each commodity?
Explain your answer.
