



LESSON 4

Bushels of Math

*Concepts of Mathematics, Fact Finding,
Graphing and Logic skills*

FOCUS

Student Objectives—Kentucky Performance Standards:

- 2.7 Numbers
- 2.8 Mathematical Procedures
- 2.11 Mathematical Change
- 2.12 Mathematical Structure

Students will:

- Use line graphs, bar graphs, and pie graphs to interpret data
- Perform basic mathematical operations

PREPARATION AND MATERIALS

- World of Corn booklets (*one per class--you may make copies for each student, or have students find the information on the Internet at www.ncga.com/worldofcorn. You may also want to print the pages from the website.*)
- Math Scavenger Hunt Sheet (*one per student or group*)
- Bushels of Math Problems (*one per student or pair*)

TEACH

Activities:

1. Using the “World of Corn” booklet, students go on a math scavenger hunt to answer questions on the **Math Scavenger Hunt Sheet**.
Note: *Answers to Scavenger Hunt will vary depending on which year’s data is being used. Pages from the Internet site www.ncga.com are always current, or you may request a hard copy of the current year by calling the Kentucky Corn Growers at (800) 326-0906.*
2. **Solve Bushel of Math Problems.** Some of these are problems solved (and written) by real Kentucky farmers!

ASSESSMENT

Use the following information to create a pie graph.
(Taken from the 1997 World of Corn publication.)

U. S. Crop Acres Harvested in 1996

hay	19%
soybeans	20%
corn	25%
wheat	20%
other	16%

Use the following information to create a bar graph.
(Taken from the 1997 World of Corn publication.)

Average U. S. Corn Yields by State in 1996 (bushels per acre)

Washington	185	Kentucky	124
Arizona	175	Oklahoma	145
Indiana	123	Texas	112

Find the average!