

5: 2002 State Flower Show

Based on the Mississippi quarter reverse



OBJECTIVE:

Students will use logic, add amounts of money, and make change by using the information chart to solve problems.



MATERIALS:

- 1 overhead projector (optional)
- 1 overhead transparency (or photocopy) of the Mississippi quarter reverse
- “Flower Show Price List”
- “Flower Show” worksheet
- Index cards (1 per student)
- Colored pencils and/or crayons
- Drawing paper
- Calculators (optional)



PREPARATIONS:

- Make copies of the “Flower Show Price List” (1 per student).
- Make copies of the “Flower Show” worksheet (1 per student).
- Prepare the index cards numerically showing various amounts of money (from \$2.00 to \$4.50 choosing increments appropriate for your class).
- Make an overhead transparency (or photocopy) of the Mississippi quarter reverse.



GROUPINGS:

- Whole group
- Individual work
- Small groups



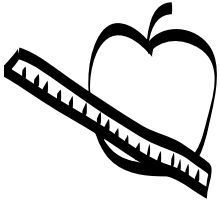
CLASS TIME:

2 30- to 45-minute sessions



CONNECTIONS:

- Math
- Art
- Social Studies



Calculating from Plant Prices



TERMS AND CONCEPTS:

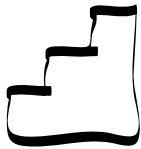
- State flowers
- Interpreting data
- Cost
- Price



BACKGROUND KNOWLEDGE:

Students should have basic knowledge of:

- Using calculators with decimals
- Addition and subtraction using dollar signs (\$) and decimal points (.).
- Estimating and rounding using money.



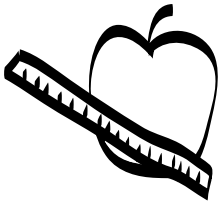
STEPS:

Session 1

1. Describe the 50 State Quarters® Program for background information if necessary, using the example of your state if available. Then display the overhead transparency or photocopy of the Mississippi quarter reverse.
2. Explain to students that the design was specially chosen to represent the state of Mississippi. Tell students that all states have state flowers and ask if students know what flower was chosen to represent their home state. (If the home state is Mississippi, give general examples of other states' flowers.)
3. Distribute the “Flower Show Price List” and the accompanying worksheet. Review the information that is given about each state on the price list.
4. As a class, complete Part 1 of the “Flower Show Worksheet.” Solve each problem on the board, explaining and giving more examples of mathematical concepts when necessary.

Session 2

1. Ask students to pretend that they will be constructing their own flower garden using the information they have about the state flowers. Have them choose two flowers from the list that they would like to buy. These may be the same type of flower. Direct them to record their choice in Part 2 of the “Flower Show Worksheet.”
2. Put them into groups of two to four. Randomly pass out the index cards. Explain that this is the amount that they may “spend” on flowers and will be combined to create their group garden.



2002 State Flower Show

3. Have students add up the group money and record this number in Part 2.
4. As a group, have the students complete Part 3 on the “Flower Show Worksheet.”
5. Check the worksheets for accuracy.



ENRICHMENTS/EXTENSIONS:

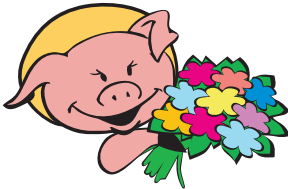
Have students research the state flowers of their home state or another state that is meaningful to them. Have them create their own State Flower Show information and display their illustrations on a bulletin board.

Have students plant a class flower garden using their state flower, and chart the growth of each flower.



DIFFERENTIATED LEARNING OPTIONS:

- Ask students to graph the prices and values of each state’s flower.
- Adjust the prices on the price list for your students’ level and put them on index cards.



HPC CONNECTIONS

If your students liked the Mississippi quarter, let them examine the Coin of the Month for April 2002 in the “Coin News” area. It’s the 1997 U.S. Botanical Garden Commemorative Silver Dollar, which features our national flower, the rose!

For added educational value, check out the related Teacher Feature, “A Financial Flower Garden,” as well. Find it in the “Teachers” area.



Flower Show Price List



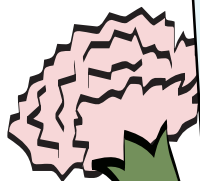
Magnolia
\$3.25

Mississippi

Statehood: December 10, 1817
State Tree: Magnolia
State Bird: Mockingbird

Louisiana

Statehood: April 30, 1812
State Tree: Bald cypress
State Bird: Brown pelican



**Scarlet
carnation**
\$1.75

Ohio

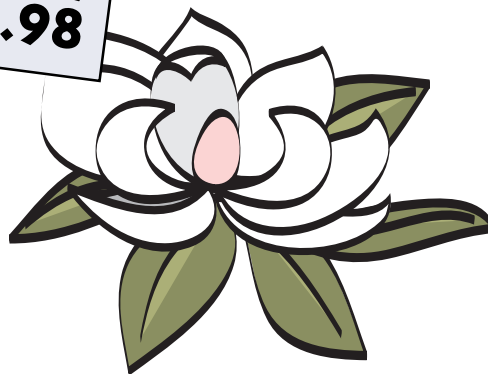
Statehood: March 1, 1803
State Tree: Buckeye
State Bird: Cardinal



Iris
\$2.15

Tennessee

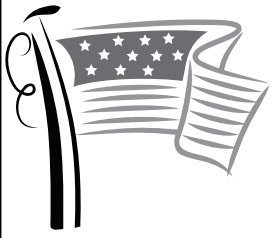
Statehood: June 1, 1796
State Tree: Tulip poplar
State Bird: Mockingbird



Peony
\$2.98

Indiana

Statehood: December 11, 1816
State Tree: Tulip tree
State Bird: Cardinal



NAME _____

DATE _____

Flower Show Worksheet



PART 1

Use the information on the price list to answer these questions:

1. Which of these flowers is the most expensive? _____
How many could you buy for \$10? _____

2. Round the prices up to the next whole dollar. How much would it cost to buy one of each flower? _____

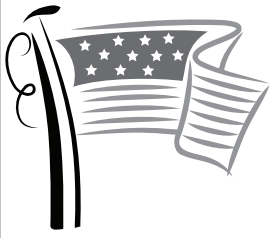
3. How much would it cost to buy the flowers for the first three of these states that entered the Union? _____

4. a. Name two states that have the same state bird.

b. How much would it cost to buy one of those state flowers?

5. a. Which two states have the same state flower?

b. How much does this flower cost? _____



NAME _____

DATE _____

Flower Show Worksheet

PART 2

Buy two flowers for your group garden. You can choose two of the same flower:

Name of flower _____ cost _____

Name of flower _____ cost _____

Total cost _____

The amount you have to spend on flowers: _____

Did you have enough money?

Yes, I had _____ left over.

No, I needed _____ more.

PART 3

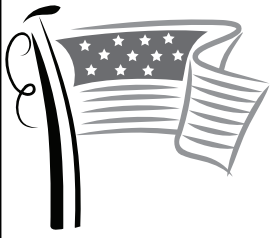
The amount your group has to spend on flowers: _____

The total cost of the group's flower garden: _____

Did your group have enough money?

Yes, we had _____ left over.

No, we needed _____ more.



Mississippi Quarter Reverse

