

NAME: Jayme Smith
SUBJECT: Math

DATE: April, 2005
GRADE LEVEL: 2nd

I. Objectives

The students will

- A. be able to name the standard units of measure used for capacity.
- B. be able to define the gallon equivalencies in quarts, pints and cups.

II. PA Standard(s)

- 2.3.3.A. Compare measurable characteristics of different objects on the same dimensions (e.g., time, temperature, area, length, weight, capacity, perimeter).
- 2.3.3.B. Determine the measurement of objects with non-standard and standard units (e.g., US customary and metric).
- 2.3.3.E. Determine the appropriate unit of measure.

III. Materials

A. Teacher

The Gallon Song, Gallon Man Package, Scissors, Glue Stick,
Containers (gallon, half-gallon, quart, pint)

B. Student

The Gallon Song, Gallon Man Package, Scissors, Glue Stick

IV. Procedure

1. Tell the students "Today we have a very special guest joining us. He will appear after we review what we learned yesterday in class."
2. Review the standard units of measure for capacity, gallon, quart, pint and cup.
3. Ask the students what unit would we use to measure various volumes such as: bathtub (gal), water bottle (pint), fish bowl (gal, quart), coffee mug (cup).
4. Tell students "I would like you to meet my friend Mr. Gallon." Uncover Mr. Gallon. Explain that Mr. Gallon is here to help us learn about equivalent capacities.
5. Show the students that Mr. Gallon's body represents 1 gallon.

6. Tell the students that Mr. Gallon's upper arms and legs are each equivalent to one quart. Since these are each attached to Mr. Gallon's body then 4 quarts are equal to 1 gallon.
7. Tell the students that Mr. Gallon's lower arms and legs are made of 2 pints each and attached to Mr. Gallon's upper arms (1 quart). This tells us that 2 pints are equal to 1 quart.
8. Ask the students to count the number of pints attached to Mr. Gallon. Explain that this tells us that there are 8 pints in each 1 gallon.
9. Ask the student to use Mr. Gallon to figure out how many cups are in each pint? (2 cups)
10. Ask the students how many cups are in each quart? (4 cups)
11. Ask the student how many cups are in each gallon? (16 cups)
12. Pass out "The Gallon Song" sheet.
13. Demonstrate and Lead the students in singing "The Gallon Song."
14. Have the students get out a glue stick and their scissors.
15. Pass out the Mr. Gallon packets.
16. Have the students cut and glue their own Mr. Gallon Man.
17. Review with the students, 4 quarts = 1 gallon, 2 pints = 1 quart, 8 pints = 1 gallon, 2 cups = 1 pint, 4 cups = 1 quart, 16 cups = 1 gallon.

V. Reflection

VI. Evaluation