

## TEACHER MATERIALS - Measurement Cow

**CONCEPTS:** Mathematics - Capacity - measurement  
- Puzzles - addition  
- subtraction

Social Studies - identity (economic p. 58)  
- culture (economic p. 58)  
- technology (economic pp. 60, 61)

**OBJECTIVES:** 1. The students will understand the measurement of gallon, quart, pint, and cup and how they relate to one another.

2. The students understand that milk and butter production begins with a cow.

**MATERIALS:** Milk containers in various sizes: gallon  
half gallon  
quart  
pint  
half pint (cup)  
measuring cups  
funnel  
water

**ACTIVITIES:** 1. Conduct this lesson in conjunction with the lesson on butter in Social Studies on pages 2-161 through 2-174.

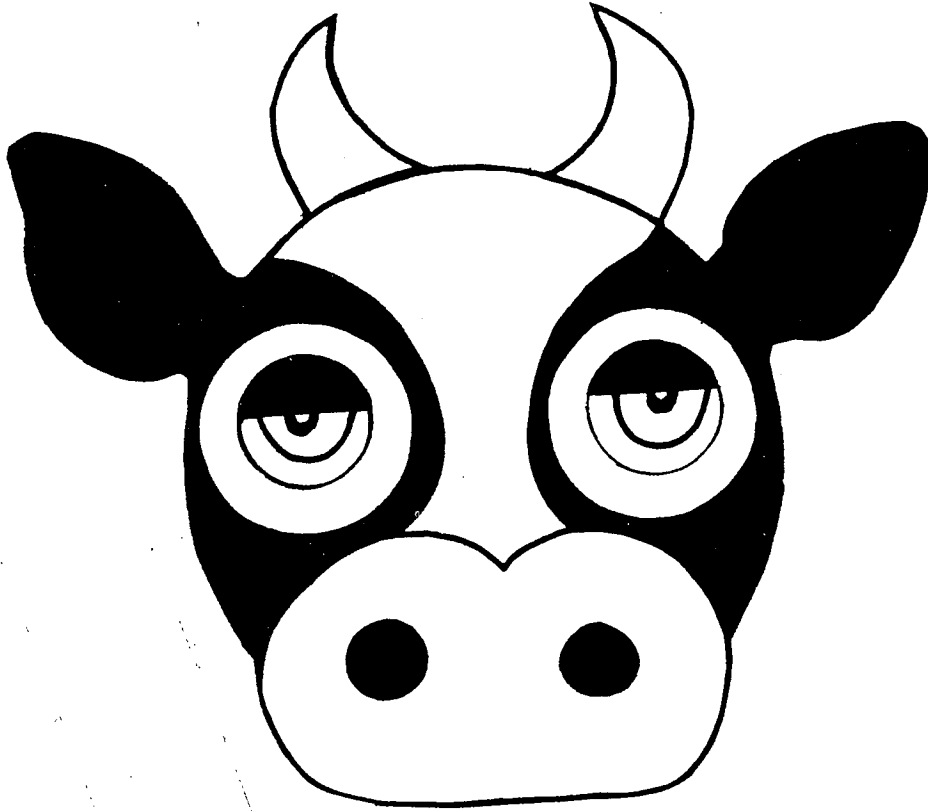
2. Discuss with the students the measurements you can buy milk in: gallons, half-gallons, quarts, pints, and half-pints (cups).

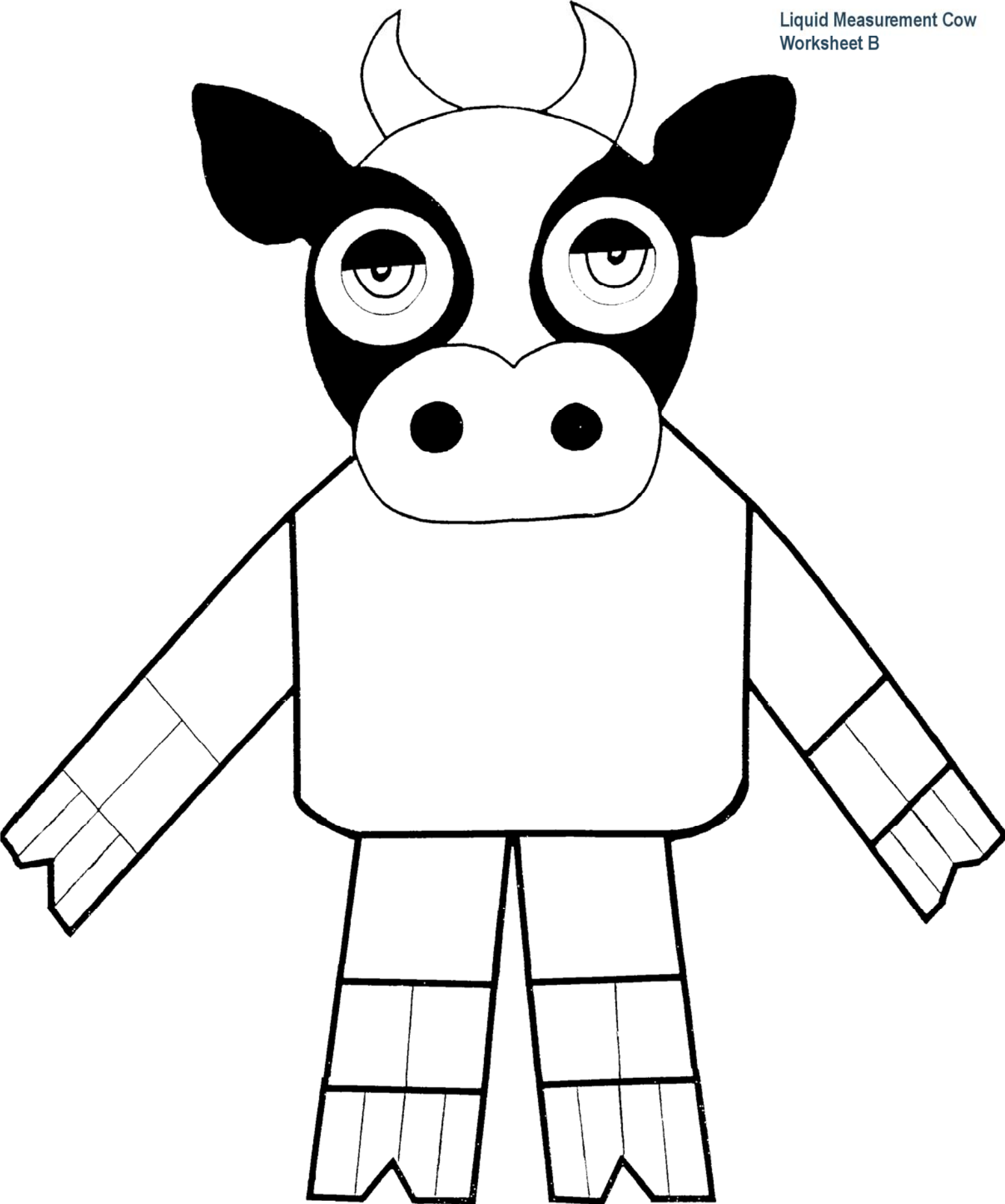
3. Explain the gallon as a large unit of measurement.

4. Have students draw a body for the cow on worksheet "A", label it 'one gallon.' For an example, see the answer sheet.
5. Take a gallon container and pour one-half gallon of water into it. Ask, "How full is the gallon?" Add another and ask, "How many half-gallons does it take to fill it up?" Discuss the concept of half and half-gallon.
6. Now do the same with quarts. How many quarts does it take to fill up the gallon?
7. Have the students draw the first joint of each of the cows legs and label each 1 quart.
8. Follow the same procedure with the pints if available or half-pints.
9. Have the students complete the second joint with pints and label these and the last joint with half-pints or cups and label these.
10. If it is too difficult to start "from scratch," use the third cow with blank limbs and fill in the amounts.
11. Make a cow bulletin board using milk cartons of all sizes.

\* This lesson was adapted with permission from Nebraska's Ag in the Classroom materials.

Liquid Measurement Cow  
Worksheet A





# Liquid Measurement Cow

Answer Key A

