



## Supplies

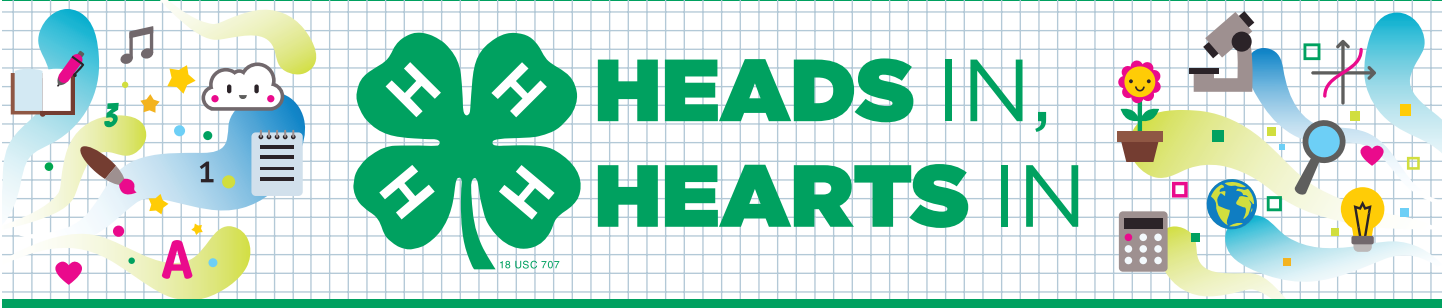
- “Guide for Families” handout
- Clear plastic standup display (optional)
- “Dry Measurement Task Cards” handout
- Scissors
- 5-7 butter knives (plastic is preferred)
- 3-5 teaspoon dry measuring spoons
- 3-5 tablespoon dry measuring spoons
- Three to five ¼-cup dry measuring cups
- Three to five ½-cup dry measuring cups
- Three to five 1-cup dry measuring cups
- 5-7 dry materials such as marshmallows, oatmeal, salt, sugar, flour, cereal, baking soda, dry coffee grounds and others
- 5-7 large bowls
- 5-7 medium-sized bowls
- 1 small bowl
- Display table

Note: This activity is best done in conjunction with the “Measuring Liquids” activity.

## Activity Preparation

- ▶ Purchase or locate items on supply list.
- ▶ Print one copy of the “Guide for Families” handout. Laminate or place in a clear plastic standup display to allow participants to see it more readily.
- ▶ Print “Dry Measurement Task Cards” handout on durable paper and cut out the cards, or print, cut and laminate the cards.
- ▶ Set up the display table and arrange needed supplies as follows.
  - Fill each large bowl with a different dry material.
  - Place empty medium-sized bowls out for learners to measure dry goods into.
  - Place dry measurement tasks cards in small bowl.
  - Arrange measuring tools on the table.





# Measuring Dry Materials

## Guide for Families

### Learning Objectives

#### What you need to know:

The measuring tools that are used for dry materials are different from the tools that are used for measuring liquid materials. When baking and cooking, using the correct tools is important. Using the wrong tools could lead to your using too much or too little of an ingredient. When measuring dry materials, it's best to gently scoop the material, being sure not to pack it down. It's likely when you scoop that the dry material will be heaped on top. Use the flat end of a butter knife to scrape off the excess material.

#### What you will do and learn:

You will be able to identify the correct measuring tool for the task on the card. You will practice measuring various dry goods using a different unit of measurement: teaspoons, tablespoons and cups. Be sure to gently scoop the dry material and use the flat end of the butter knife to scrape off any excess material.

### Instructions

1. Choose a measurement task card and read the directions.
2. Complete the tasks of each card.
3. Repeat the activity several times by choosing different task cards.
4. Observe how when various dry goods are measured using the same measuring tool, they can look very different. For example, a tablespoon of marshmallows looks very different from a tablespoon of flour. Understanding this will help you understand how to estimate amounts correctly.



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#### Dry measuring utensil.

When measuring small units of dry materials such as teaspoons and tablespoons, be sure to scrape off excess materials with the flat side of a knife.

# Measuring Dry Materials

## Dry Measurement Task Cards Handout

<p>Choose a dry material.</p> <p>Measure 1 cup of that material into the bowl using the 1-cup measuring cup.</p> <p>How many scoops do you need?</p>	<p>Choose a dry material.</p> <p>Measure 1 tablespoon of that material into the bowl using the 1-tablespoon measuring spoon.</p> <p>How many scoops do you need?</p>	<p>Choose a dry material.</p> <p>Measure <math>\frac{1}{2}</math> cup of that material into the bowl using the <math>\frac{1}{2}</math>-cup measuring cup.</p> <p>How many scoops do you need?</p>
<p>Choose a dry material.</p> <p>Measure <math>\frac{1}{4}</math> cup of that material into the bowl using the <math>\frac{1}{4}</math>-cup measuring cup.</p> <p>How many scoops do you need?</p>	<p>Choose a dry material.</p> <p>Measure 1 teaspoon of that material into the bowl using the 1-teaspoon measuring spoon.</p> <p>How many scoops do you need?</p>	<p>Choose a dry material.</p> <p>Measure 2 cups of that material into the bowl using the 1-cup measuring cup.</p> <p>How many scoops do you need?</p>
<p>Choose a dry material.</p> <p>Measure 5 tablespoons of that material into the bowl using the 1-tablespoon measuring spoon.</p> <p>How many scoops do you need?</p>	<p>Choose a dry material.</p> <p>Measure <math>2\frac{1}{2}</math> cups of that material into the bowl using the <math>\frac{1}{2}</math>-cup measuring cup.</p> <p>How many scoops do you need?</p>	<p>Choose a dry material.</p> <p>Measure <math>2\frac{1}{4}</math> cups of that material into the cup using the <math>\frac{1}{4}</math>-cup measuring cup.</p> <p>How many scoops do you need?</p>
<p>Choose a dry material.</p> <p>Measure 4 teaspoons of that material into the bowl using the 1-teaspoon measuring cup. How many scoops do you need?</p>	<p>Choose a dry material.</p> <p>Measure 1 cup of that material into the bowl using the <math>\frac{1}{2}</math>-cup measuring cup?</p> <p>How many scoops do you need?</p>	<p>Choose a dry material.</p> <p>Measure <math>2\frac{1}{2}</math> teaspoons of that dry material using the <math>\frac{1}{4}</math>-cup measuring spoon.</p> <p>How many scoops do you need?</p>