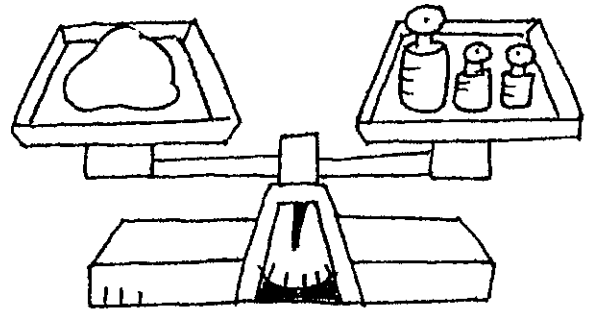


# Measurement

Students will enjoy these exploratory center activities as they estimate, measure, and compare, using a variety of both nonstandard and standard units of measurement. These activities offer students experiences in measuring capacity, length, and weight.



## Materials

- Different Shapes—Different Levels reproducibles (pages 73–74)
- several cups of rice in a flat container
- 5 containers of different shapes and sizes, labeled A, B, C, D, E
- measuring cups
- erasable marking pens or grease pencils
- funnels
- cloth for wiping off pen or pencil marks

## Different Shapes—Different Levels

### Teaching Tips and Extensions

- Show students how to measure exactly one cup of rice by filling it and smoothing the top.
- Show how to use the funnel for narrow-mouthed containers.

## Which Is More?

### Teaching Tips and Extensions

- Show students how to use the funnel for narrow-mouthed containers.
- Encourage students to explain their predictions of which containers will hold more.

## Materials

- Which Is More? reproducibles (pages 75–76)
- 5 containers of different shapes and sizes, labeled A, B, C, D, E
- several cups of rice in a flat container
- measuring cups
- funnels

## Materials

- How Many Cubes? reproducibles (pages 77–78)
- pencils, books, student desk and chair for measuring
- linking cubes

## How Many Cubes?

### Teaching Tips and Extensions

- Make sure students understand that the difference between their estimate and the actual measurement goes in the *Difference* column on their How Many Cubes? activity sheet.

## Weighing a Pound

### Materials

- Weighing a Pound reproducible (page 79)
- containers of beans, popcorn, rice, and other food items to weigh
- small scoops
- sturdy resealable plastic bags
- balance scales
- 1-lb. (1/2-kg) weights

## Lightest to Heaviest

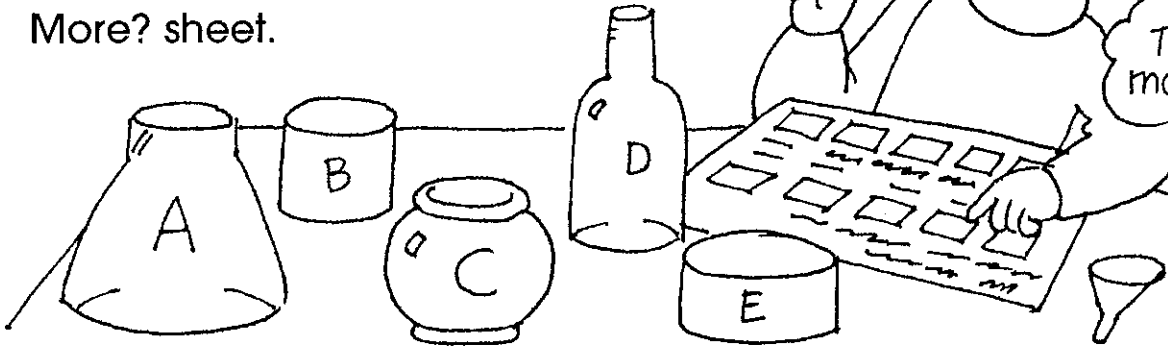
### Materials

- Lightest to Heaviest reproducibles (pages 80–81)
- book, box of crayons, shoe, clay, stapler, and other objects to weigh, ranging from 1 ounce (28 g) to 2 pounds (1 kg)
- balance scales
- various weights, ranging from 1 ounce (28 g) to 2 pounds (1 kg)

# Which Is More?

**1**

Arrange the containers in order from smallest capacity to largest capacity. Write your prediction on your Which Is More? sheet.



**2**

Use a measuring cup to find out how many cups of rice each container holds. Write the actual capacity of each container on your sheet.

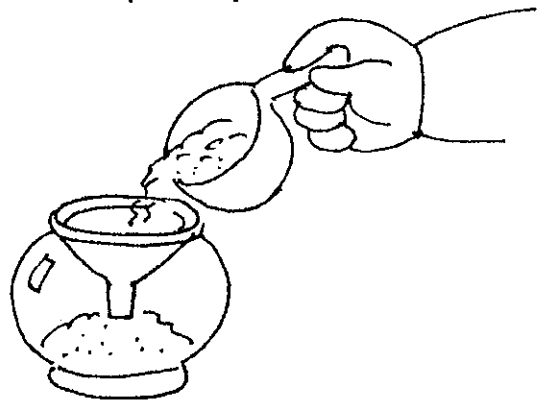
Which Is More? Name Ted

1 cup cup cup cup cup

<u>2</u>	<u>3 1/2</u>	<u>7</u>	<u>6 1/2</u>	<u>9</u>

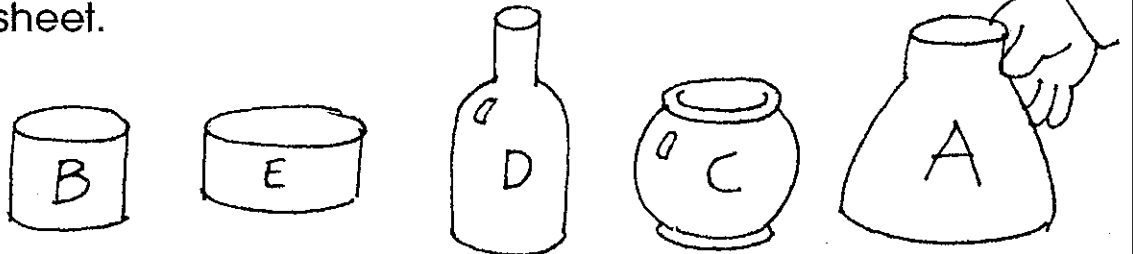
2 cup cup cup cup cup

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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**3**

Was your guess right? Change the order of the containers if you need to and draw the correct order on your sheet.



**Challenge**

Find the total capacity of all 5 containers. Write it on the back of your sheet.

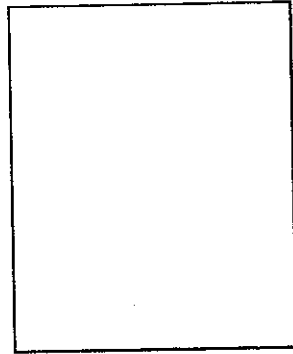
# Which Is More?

Name \_\_\_\_\_

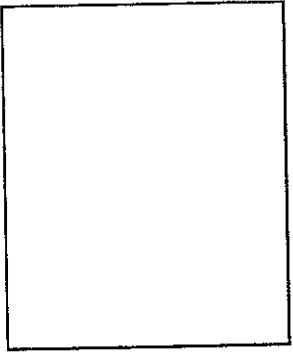
1. Make a prediction. Draw the containers in order from smallest to largest capacity.  
Write the letter label on each drawing.

SMALLEST

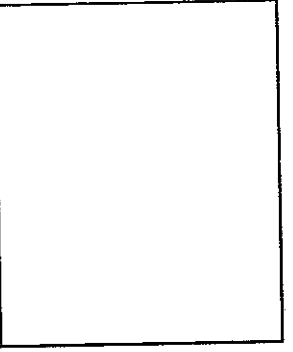
LARGEST



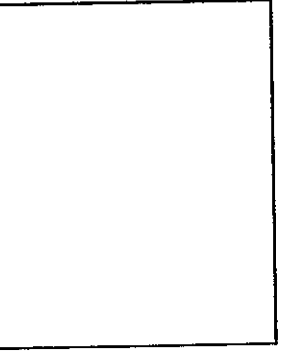
Actual  
Capacity



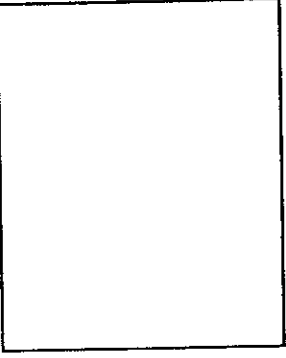
Actual  
Capacity



Actual  
Capacity



Actual  
Capacity



Actual  
Capacity

2. Was your guess right? Change the order of the containers if you need to.

SMALLEST

LARGEST

