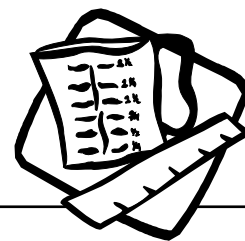


# Buckets of Popcorn

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**Decide which bucket to use for your fundraiser so that people get the most popcorn.**

## **What you need**

Paper

Tape

Popcorn or pretend popcorn (objects of the same size like packing peanuts)

## **What to do**

1. Make the 2 sizes of popcorn buckets.
2. Roll one piece of paper so that it is short and fat and tape it closed.
3. Roll another piece of paper so it is tall and skinny and tape it closed.
4. Predict whether the buckets will hold the same amount of popcorn or if one will hold more.
5. Discuss ways to find out (counting how many objects will fit, counting the number of handfuls).
6. Try one of the methods to find out.
7. Then try a different method—did you get the same result?

## **What to ask**

- Which holds more? Or do both buckets hold the same amount of popcorn?
- Which one will people want to buy when they look at it?
- Would a good deal be more popcorn or less popcorn?
- Which container is the better buy?

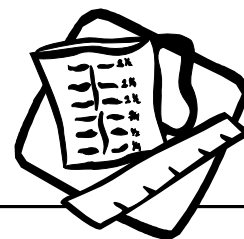


## **Did you know?**

Visualizing how things will fit in a certain container helps you make decisions about which product to buy because you are getting more for your money. It can also help you judge which container to select to store an item. Young children look at taller containers and think they hold more even if the container is thinner than shorter containers.

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## **What's next?**

- Look for examples of containers in stores that look bigger, but actually do not hold more.
- Talk about other types of containers like shoe boxes, jars, bags or boxes.
- Talk about how they seem to hold more than they actually do.
- Design a container that looks like it holds more than it does.

## **To learn more**

### ***How many Bugs in a Box?***

*by David Carter*

This silly pop-up book illustrates bugs in increasing numbers in boxes. All kinds of boxes full of all kinds of bugs make a book full of fun and surprises! Inside each bright box are bugs to count from one to ten.

### ***What's in a Box?***

*by Kelly Boivin*

Describes, in verse, different types of boxes and what they may hold.

## **How it helps with school**

### **Texas PreKindergarten Curriculum Guidelines**

Number and Operations, Measurement

### **Texas Essential Knowledge and Skills (TEKS) Standards**

Measurement: K.10A; 1.7A; 2.9B

Underlying Processes and Mathematical Tools: K.13A,D; 1.11A,D; 2.12A,D

### **National Council of Teachers of Mathematics (NCTM) Standards**

Measurement, Problem Solving, Communication