

# Measurement with Ollie Otter

Grade Level: **Kindergarten**    Subject: **Mathematics**

## Standards

1. **CC 1.** Count to 100 by ones and by tens.
2. **CC 2.** Count forward beginning from a given number within the known sequence (instead of beginning at 1).
3. **CC 4.** Understand the relationship between numbers and quantities; connect counting to cardinality.
4. **CC 4a.** When counting objects, say the number names in the standard order, pairing each object with one and only one number name and each number name with one and only one object.
5. **CC 4b.** Understand the last number name said tells the number of objects counted. The number of objects is the same regardless of their arrangement or the order in which they were counted.
6. **CC 4c.** Understand that each successive number name refers to a quantity that is one or larger.
7. **CC 5.** Count to answer “how many?” questions about as many as 20 things arranged in a line.

## Objectives

1. Students will measure height by using a ruler to count inches.
2. Students will count aloud in inches such as “one inch, two inches, three inches...”
3. Students will count numbers and identify that the height of Ollie never changes.
4. Students will count starting at zero and adding one inch for each mark on the ruler.
5. Students will say aloud how many of their classmates are under 4’9” and need a booster seat.

## Materials

Ollie measurement practice sheet, measuring poster or tape measurer, rulers, pencils

## Introduction

Engage the students in a discussion to review the safety concepts presented in the Ollie Otter presentation. The three points to focus on are road construction (slow down), seat belt safety (always buckle up), and booster seat requirements (under 4'9" or nine years old). Discover what the students recall and reiterate the importance of being safe when riding in a vehicle.

Remind the students the importance Ollie place on height and "Belts to Bones." Show them a measuring poster similar to the poster used to measure a select few of students during the presentation. (This can be replaced by any type of measurement tool available.) Emphasize that the 4'9" mark is the height you need to be for a seat belt to fit correctly when using it in the car (Belts to Bones).

### Procedure

- Give students Ollie measurement practice sheet and rulers.
- "Measure these three pictures of Ollie using your ruler. Write the number of lines you count on the line below him."
- Have the students count by different lines each time--the centimeter dashes, the quarter inch lines, and so forth until you reach the inches so they can see how the numbers are different. After counting how many inch marks it takes to get to the top of Ollie's head, tell students to observe that the number they counted for the inches is also the one already written with the longest lines on the ruler.
- Use the Ollie measuring poster or a tape measurer to show students how tall 4'9" is, and let them measure their classmates. Write their measurements down, and let the students count how many should and should not be in a booster seat based on their height (under 4'9" is a booster).

### Closing

Discuss with the class what they have learned from the activity and how it applies to measurement and being safe in the vehicle. Lead the students in discussing how many of them do/do not need to be in a booster seat to remain safe while riding in the vehicle. **Remember: Under 4'9" - It's Booster Time!**

### Assessment and Follow-Up

Collect the Ollie measurement practice sheets to check for comprehension. On future days in the classroom, ask students how many of them ride in a booster seat, and see if they remember the height requirement for a booster seat.

Ask them to tell their parents what they learned, and if they haven't already, allow them to draw a picture or write a story about Ollie and how to be safe in a car. Send their artwork to:

TTU BusinessMedia Center  
C/O Ollie Otter  
P.O. Box 5103 JH 425  
1105 N. Peachtree Avenue  
Cookeville, TN 38505

and we will mail you a set of coloring books. Students can view their art on our website at <http://www.seatbeltvolunteer.org/inbox>.