

Measurement with Ollie Otter

Grade Level: **2nd Grade**

Subject: **Mathematics**

Standards

1. **NBT 5.** Fluently add and subtract within 100 using strategies based on place value, properties of operations, and/or the relationship between addition and subtraction.
2. **MD 5.** Use addition and subtraction within 100 to solve word problems involving lengths that are given in the unknown number to represent the problem.
3. **MD 6.** Represent whole numbers as lengths from 0 on a number diagram with equally spaced points corresponding to the numbers 0, 1, 2, ..., and represent whole-number sums and differences within 100 on a number line diagram.

Objectives

1. Students will add and subtract to determine how many inches short of 4'9" they are.
2. Students will calculate how many more inches each of their classmates need to be before they are out of a booster seat.
3. Students will use rulers to determine how many inches tall each of the Ollie Otters are.

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 sheets and rulers.
- “Measure these three pictures of Ollie using your ruler. Write the number of inch lines you count on the line below him.”
- Using the Ollie Measurement poster, allow the students to count how many inches 4 feet is. Tell them to add 9, and then have them write the number of total inches are in 4’9” on the back of their worksheet.
- Allow students to measure themselves to see how many inches tall they are, and tell them to write that on their paper as well.
- Tell students to subtract the number of inches they are from the number of inches in 4’9”. Allow them to work in groups or with a partner for more practice measuring someone else’s inches to reach 4’9”.
- Have students split in two lines: those who are tall enough to ride with a car seat, and those who need a booster seat.

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>.

