

Engagement:

Ask students about what they learned about measurement when they went to The Discovery.

Exploration:

Print the following challenges on the board. Have students work alone or in small groups to find and record their answers on a piece of paper.

What You Will Need:

- Rulers and meter sticks
- Paper and pencil

Directions: For each challenge write down the item and the measurement on your paper.

1. Find something that's measurement is in whole inches. Example 5 inches, 8 inches and so on.
2. Find something that's measurement ends in half inches. Example 5 ½", 8 ½" and so on.
3. Find something that's measurement ends in eighth inches. Example 5 1/8", 8 3/8" and so on.
4. Find something that's measurement ends in sixteenth inches. Example 5 1/16", 8 7/16" and so on.

Explanation:

Pose the following question to the class: "Why is it important to be able to measure things correctly?" Talk about standardization of measurement being crucial to fabrication, building and engineers. Without standardized measurement it is hard to communicate. Why would it be important to scientist? Scientists depend on standardized measurements to replicate their experiments and to communicate out their results.

Adaptions:

Allow students to work in pairs.

Extension:

Have students pick 10 additional items in their backpack or desk to measure.



Common Core Math Standard:

3-5.NF. Apply and extend previous understandings of multiplication and divisions to multiply and divide fractions.