

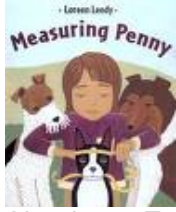
Measuring Mania

Second Grade: Math

VISUALIZATION



Gifted Behaviors to look for:
Resourceful –
Curious –
Creative

SBI(S)	MTH.G2.12.a.7
Materials	 Aluminum Foil; Ruler or tape measure
ESOL Accommodations	Provide visuals. Use graphic organizers or sentence frames.
Marzano Strategy	Nonlinguistic Representations
Patterns of Thinking	RELATIONSHIPS

Link	Say , “We have been discussing various units of measurement. We are going to create aluminum foil animals and then use various units of measurement to measure them.”
	Assessment: Listen for students who can recall the different units of measurement.
Engage and Educate	Ask: <ul style="list-style-type: none"> “What ways can you use to measure the length of a book?” Encourage nonstandard and standard units.” “Why is it better to use standard units?” “Why is it better to use nonstandard units?” Read <i>Measuring Penny</i> by Loreen Leedy to the class.
	Assessment: “Resourceful” students might use available resources in the classroom to recall both standard and nonstandard units of measurement. “Curious” students might ask questions to obtain more information about the two types of measurements.
Active Learning	Students will create animals using aluminum foil. Give each student 2 strips that measure 20” x 12” and instruct them to place them in a “X” shape. Place a third 20” x 12” down the middle. Show students how to crumple the foil to form four legs and a body. Students will create an animal and measure its length and height in nonstandard and standard units. Record results on a chart.
	Extension(s): (1) Facilitate a debate as to which is better to use: standard or nonstandard units of measurement. (2) Use Think Blocks to compare the benefits and drawbacks of nonstandard units. (3) Create a PMI chart for nonstandard units of measurement.
	Assessment: “Creative” work samples might include a new and unusual animal measured in both standard units.
Reflect	Share their completed foil animal and describe both the standard and nonstandard measurements they used. Allow for comments and questions from other classmates.
Now and Then	Say , “Remind students the various ways to measure length. Tell students that we will be exploring other tools of measurement including time, money, temperature, as well as ways to measure liquids.”