

Activity

Measurement and the Sciences

Little Millie Metric

When making measurements, it is important to use the correct metric unit. Read the story below and fill in the blanks with the right unit. Choose the unit from the following list. Each unit will be used only once.

milliliter	liter	gram
kilogram	millimeter	centimeter
meter	kilometer	degrees Celsius

It was a beautiful day. The temperature was a mild 27 _____. Little Millie Metric was packing a lunch basket to take to Grandma's house. She carefully poured 500 _____ of homemade lemonade into a bottle, which she put in the basket. Then she placed 0.5 _____ of cheese, 200 _____ of roast beef, and several large chocolate chip cookies in the basket. She strapped the basket on the back of her moped and took a quick check of the gas tank. There were several _____ of gasoline left.

After traveling a little more than 5 _____, Millie discovered she had lost her way. At the next corner she spotted a very hairy character leaning against a lamppost. He looked to be only $1\frac{1}{2}$ _____ tall. He had a wolfish grin and dark, piercing eyes. He introduced himself as Mr. W and offered to help Millie.

Mr. W's directions turned out to be the long way to Grandma's house. So Millie arrived an hour late. She let herself in and found Grandma in bed. Grandma did not look well. Had she always been so hairy? And those ears! "My goodness," Millie gasped, "what big ears you have, Grandma—at least 15 _____." To which Grandma replied, "The better to hear you, my dear." Then Millie spotted the teeth. "My, Grandma, what big teeth you have—longer than 25 _____." This last observation made Grandma very angry. She jumped out of bed and snarled, "The better to eat you!" Now Millie realized that this was not Grandma, but the hairy Mr. W!