Measurement Detective Scavenger Hunt!

Get ready, Detective Karina, for a mission to find and measure objects!

Warm-up (5 minutes)

Let's quickly review our measuring tools. Look at your ruler and measuring tape. Can you find the side with inches? An inch is part of the **imperial system**. Now find the side with centimeters. A centimeter is part of the **metric system**. We use both systems!

- 1 foot (ft) = 12 inches (in)
- 1 meter (m) = 100 centimeters (cm)

Let's practice measuring one thing together, like the width of this piece of paper, in both inches and centimeters.

Activity: The Scavenger Hunt (30-40 minutes)

Here is your list of clues, Detective Karina! Find the items, measure them carefully, and write down your findings on your Scavenger Hunt Sheet.

Your Mission List:

1. Find a book. Measure its length in inches AND centimeters. Record both.
2. Find a spoon. Measure its length in centimeters.
3. Find something in the kitchen that is SHORTER than 6 inches. What is it and how long is it in inches?
4. Go outside (or look out a window)! Find a leaf. Measure its width in centimeters.
5. Find something inside that is taller than you (use feet or meters!). What is it? (Estimate if too tall to measure exactly).
6. Find a crayon. Measure its length in inches AND centimeters.
7. Find something round. Measure the distance across it (diameter) in inches.
8. Locate an object that is approximately 1 foot long. What did you find?
9. Find something that is about 30 centimeters long. What is it?
10. Measure the width of a door in inches.

(Optional Extension: Can you convert one of your inch measurements to centimeters, or centimeters to inches? Remember: 1 inch is about 2.5 cm)

Wrap-up & Review (10 minutes)

Great work, Detective! Let's look at your results.

- Which item was the longest? Which was the shortest?
- Was it easier to measure small things in inches or centimeters? Why?
- Did you find anything tricky to measure? How did you solve it?
- Show me how you measured the [pick one item from her list].

You did an amazing job using both imperial and metric measurements today!