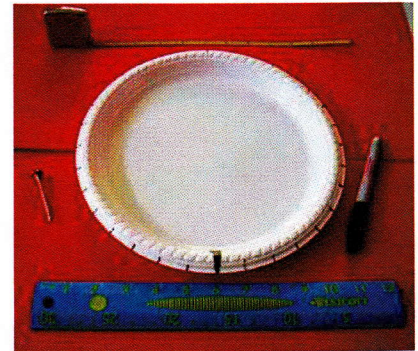
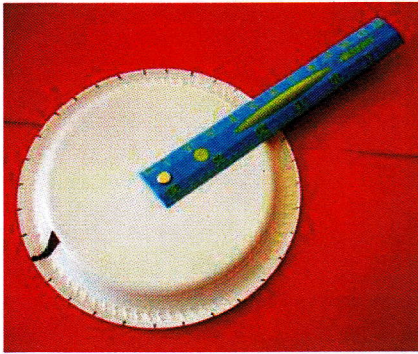


MAKE A MEASURING WHEEL (TRUNDLE WHEEL)



A measuring wheel is great when measuring things that are longer than a tape measure, yardstick, or meter stick and also for things that aren't straight!

A Measuring Wheel also encourages kids to use addition, multiplication, and other math skills while having fun, indoors or outdoors!

Materials

- heavy duty plastic plate or other round object
- tape measure
- marker
- large fastener
- ruler/yardstick/meter stick with a hole at one end

Directions

- Decide if you want to make an inch or cm. measuring wheel.
- Use a tape measure to measure the outside edge of your wheel (the circumference).
- Make a large arrow on the wheel (plate) to indicate the starting point.
- Mark off the plate in inches or centimeters, if desired.
- Make a small hole in the center of the plate.
- Attach the handle (ruler) with a large paper fastener.

Now you have a great math and science tool!

- Next choose something that you want to measure!
- Place the arrow on the plate at your starting point.
- Use the arrow on the plate to count the number of times the plate turns.
- When done measuring, multiply the number of times the plate turned by the circumference. Addition can be used instead of multiplication if desired.
- *Older students can convert their measurement from cm. or inches to meters or yards.*