

Demonstration Ruler


The Demonstration Ruler is great for modeling linear measurement.

Track measurements from 0–18 inches (in.) or 0–45 centimeters/centimetres (cm) with the adjustable red band. Display the Demonstration Ruler on any magnetic receptive surface, such as a white board.

Suggested Use

Discuss with students some earlier methods of measurement, such as gauging length with thumbs and feet. Guide students in measuring a few smaller objects using the width of their thumbs. Record and compare the results. Lead students to the conclusion that everyone's thumb width is not the same. Therefore, a "standard" unit, such as inches or centimeters/centimetres, is necessary for everyone to achieve the same measurements.

- Familiarize students to the ruler and its markings.
- Be sure to identify by which units you are measuring (in. or cm).
- If using a white board, draw a line on the board and position the ruler underneath.
- Align the left end of the line to 0 on the left end of the ruler.
- When measuring, always hide the red band from view (as close to 0 as possible).
- Gently slide the band from left to right and align the end of the red band with the end of the line or object being measured.
- Emphasize that the left end of the object or line being measured must always be "flush" (even) with 0 on the left end of the ruler.
- Students should recognize that accurate measurements begin on 0, which is usually (but not always) on the left edge of the ruler.
- You may need to remove the ruler from the magnetic surface while adjusting the length of the red band.

 **WARNING:**
CHOKING HAZARD—Small parts. Not for children under 3 years.
MAGNETS—This product contains small magnets. Swallowed magnets can stick together across intestines causing serious infections and death. Seek immediate medical attention if magnets are swallowed or inhaled.

You may write on the front face of the Demonstration Ruler with a dry-erase marker. (Do not write on the red band.)

Intervention Strategies

- **Linear Measurement:** Use number lines to introduce the concept of linear measurement, rulers, and standard units. Emphasize that measuring with a ruler is very similar to counting from left to right on a number line.
- **Whole Units:** Model measurement to the nearest whole unit. Say, “That’s about 3 inches (or cm),” or, “That measures closest to 3 inches (or cm).” Have students concentrate only on the ruler’s whole-unit markings.
- **Half-Units:** After students master whole units, introduce half inches by comparing and measuring objects with similar lengths (within an inch). Determine which objects are longer using the half-inch markings.
- **Vocabulary:** Make sure students understand key operational terms such as even or flush, and left-to-right.
- **Measurement Awareness:** Expose students to several different types of rulers of varying sizes, shapes, colors, and materials, including tape measures. Emphasize that measurement tools may look different but can accomplish the same standard measurements.

RISQUE D'ÉTOUFFEMENT. Petites pièces.
Interdit aux enfants en dessous de 3 ans.

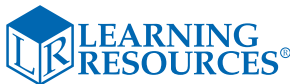
ERSTICKUNGSGEFAHR. Kleine Teile.
Nicht geeignet für Kinder unter 3 Jahren.

PELIGRO DE ASFIXIA. Piezas pequeñas.
No se recomienda para menores de 3 años.

ATTENTION! Ce jouet contient des aimants ou des composants magnétiques. Des aimants collés les uns aux autres ou à un objet métallique à l'intérieur du corps humain peuvent entraîner des lésions graves ou mortelles. En cas d'ingestion ou d'inhalation d'aimants, demandez immédiatement une assistance médicale.

WARNUNG! Dieses Spielzeug enthält Magnete oder magnetische Bestandteile. Magnete, die im menschlichen Körper einander oder einen metallischen Gegenstand anziehen, können schwere oder tödliche Verletzungen verursachen. Ziehen Sie sofort einen Arzt zu Rate, wenn Magnete verschluckt oder eingeatmet wurden.

ATENCIÓN: Este juguete contiene imanes o componentes magnéticos. La unión de los imanes entre sí o a un objeto metálico dentro del cuerpo humano puede provocar lesiones graves o mortales. Si se han tragado o inhalado los imanes, busque atención médica inmediata.



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