

Section 2.4

Measuring Length

Try These

Name a metric unit and an imperial unit you would use to measure each length

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|---|-------------|--------|
| i. The height of a truck | meters | yards |
| ii. The diameter of a pen | centimeters | inches |
| iii. The length of a skateboard | centimeters | inches |
| iv. The height of a the motorcycle tower in Craik, Saskatchewan | meters | yards |

Notes on Measuring Length

- When you measure length with a ruler or measuring tape, take care to read the measurement accurately.
- Make sure your eyes are in direct line with the end of the item being measured.

1. Estimate, then measure the length of each line segment

Estimate	Measure
2.5 cm	2.6 cm
2 inches	1 $\frac{3}{4}$ inches

Other types of measure

- Greater distances can be measured using a trundle wheel. Curved or irregular length can be measured indirectly using string and a meter stick.
2. Describe how you could measure the circumference of a basketball using string and a meter stick.
 - Take the string and wrap it around the center of the ball. Make a mark on the string. Then measure the string against the meter stick and determine the measurement.

Activity and Assignment

- Using a measuring tape measure the following (metric and imperial)
 - i. The height of your desk
 - ii. The width of one of the white boards
 - iii. The length and width of your duo-tang
 - iv. The length and width of your textbook
 - v. The length of your pencil/pen
 - vi. The height of the classroom door
 - vii. The width of the classroom window

- Practice Page 51 # 1 to 5