LESSON MAKER PRO

Length Lookout

Choose units and tools for measuring.

GRADE 2 · MA.2.M.1.1

MA.2.M.1.1 "Estimate and measure the length of an object to the nearest inch, foot, yard, centimeter or meter by selecting and using an appropriate tool."

NAME _____ DATE _____

PICK A GOOD UNIT

Estimate first by thinking about how big the object is. Use a ruler for inches or centimeters, a yardstick for yards, and a tape measure for longer lengths in feet or meters.

WORKED EXAMPLE

A toy train looks about 20 centimeters long. A ruler shows 18 centimeters. What is its length?

1. Estimate: about 20 centimeters.
2. Use a ruler.
3. Read 18 centimeters.

Answer: 18 centimeters

PRACTICE 4 problems

1 A toy car is about 5 inches or 5 feet long. Choose the better estimate and tool.

ANSWER _____

2 A pet gate is about 3 feet or 3 centimeters tall. Choose the better estimate and tool.

ANSWER _____

3 A picnic blanket is about 2 yards or 2 inches long. Choose the better estimate and tool.

ANSWER _____

4 A classroom door is about 2 meters or 2 centimeters tall. Choose the better estimate and tool.

ANSWER _____

APPLY IT Show your work

1 Maya estimates that her bead bracelet is 20 centimeters long. Her ruler shows 22 centimeters. What is the bracelet's length to the nearest centimeter?

WORK SPACE

ANSWER _____

2 A rabbit hutch looks about 4 feet long. A tape measure shows 5 feet. What is the hutch's length to the nearest foot?

WORK SPACE

ANSWER _____

3 Measure it. Your teacher provides a pencil and a centimeter ruler. Estimate the pencil's length in centimeters. Use the ruler to measure from zero to the other end, to the nearest centimeter. Record your estimate, tool, unit, and measured length. Is the estimate close?

WORK SPACE

ANSWER _____

CHALLENGE One step up

A doll is short, and a playground slide is long. Choose a unit and tool for each. Explain why.

WORK SPACE AND ANSWER

ANSWER KEY # Length Lookout

GRADE 2 · MA.2.M.1.1

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	A toy car is about 5 inches or 5 feet long. Choose the better estimate and tool.	**5 inches; ruler**
2	A pet gate is about 3 feet or 3 centimeters tall. Choose the better estimate and tool.	**3 feet; tape measure**
3	A picnic blanket is about 2 yards or 2 inches long. Choose the better estimate and tool.	**2 yards; yardstick**
4	A classroom door is about 2 meters or 2 centimeters tall. Choose the better estimate and tool.	**2 meters; tape measure**

PART 2 · APPLY IT

1. **22 centimeters** Read the ruler measurement. The bracelet is 22 centimeters long.
2. **5 feet** Read the tape measure. The hutch is 5 feet long.
3. **Results vary: an estimate in centimeters, a ruler, and an actual measured length to the nearest centimeter.** Observe the learner align one end with zero and read the other end. Check the recorded length against the actual pencil; accept a reasonable estimate and comparison.

CHALLENGE

Doll: inches and a ruler. Slide: meters and a tape measure. A doll is short, but a slide is long.

Accept unit abbreviations such as in., ft, yd, cm, and m. Accept equivalent tool names when appropriate, such as a measuring tape for tape measure.