LESSON MAKER PRO

Length Detectives

Measure and estimate with standard units.

GRADE 2 · 2.MD.A

CCSS.Math.Content.2.MD.A "Measure and estimate lengths in standard units."

NAME _____ DATE _____

CHOOSE THE RIGHT UNIT

Use a ruler to measure small objects in inches or centimeters. Start at 0 and read the number at the other end. Use feet or meters to estimate bigger objects.

WORKED EXAMPLE

A toy drum starts at the 0-inch mark and ends at the 9-inch mark. How long is the drum?

1. The drum begins at 0.
2. The other end is at 9.
3. The drum is 9 inches long.

Answer: 9 inches

PRACTICE 5 problems

1 A crayon is about 4 inches long. Which is a better estimate, 4 inches or 4 feet?

ANSWER _____

2 A classroom door is about 7 feet tall. Which is a better estimate, 7 feet or 7 inches?

ANSWER _____

3 A hamster is about 8 centimeters long. Which is a better estimate, 8 centimeters or 8 meters?

ANSWER _____

4 A toy train starts at the 0-inch mark and ends at the 5-inch mark. How long is the train?

ANSWER _____

5 A sticker strip starts at the 0-centimeter mark and ends at the 6-centimeter mark. How long is the strip?

ANSWER _____

APPLY IT Show your work

1 Leo puts a ruler beside his toy snake. The snake's head is at 0 centimeters, and its tail is at 14 centimeters. How long is the toy snake?

WORK SPACE

ANSWER _____

2 Maya wants a tiny ribbon for her doll. She can choose a ribbon that is 3 centimeters long or 3 meters long. Which ribbon is a better choice?

WORK SPACE

ANSWER _____

CHALLENGE One step up

A puppy leash is 5 feet long. Kai says it would be a good length for a pencil. Do you agree? Explain why.

WORK SPACE AND ANSWER

ANSWER KEY

Length Detectives

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PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	A crayon is about 4 inches long. Which is a better estimate, 4 inches or 4 feet?	**4 inches**
2	A classroom door is about 7 feet tall. Which is a better estimate, 7 feet or 7 inches?	**7 feet**
3	A hamster is about 8 centimeters long. Which is a better estimate, 8 centimeters or 8 meters?	**8 centimeters**
4	A toy train starts at the 0-inch mark and ends at the 5-inch mark. How long is the train?	**5 inches**
5	A sticker strip starts at the 0-centimeter mark and ends at the 6-centimeter mark. How long is the strip?	**6 centimeters**

PART 2 · APPLY IT

1. **14 centimeters** Read the ruler number at the toy snake's tail. The toy snake is 14 centimeters long.
2. **3 centimeters** A doll needs a small ribbon. Centimeters are a better unit for a tiny ribbon.

CHALLENGE

No. A pencil is better measured in inches, not feet.

Accept unit abbreviations, such as in., ft, cm, and m. For the challenge, accept any clear explanation that a pencil is much shorter than 5 feet and is better measured in inches.