LESSON MAKER PRO

# Ruler Ready

*Estimate, measure, and name the unit.*

**GRADE 2 · 2.MDR.5.2**

**2.MDR.5.2** "Estimate and measure the length of an object or distance to the nearest whole unit using appropriate units and standard measuring tools."

NAME _____ DATE _____

## MEASURE FROM ZERO

Choose a unit that fits the object. Use centimeters for small objects and inches for many classroom objects. To measure with a ruler, find where the object starts and ends, then count or subtract to find its length.

## WORKED EXAMPLE

A toy dinosaur starts at the 1 cm mark and ends at the 9 cm mark. How long is it?

1. Look at the start mark: 1 cm.
2. Look at the end mark: 9 cm.
3. Subtract: 9 - 1 = 8.
4. The dinosaur is 8 cm long.

**Answer: 8 cm**

## PRACTICE 5 problems

**1** A small button is about 2 centimeters long. Would you use centimeters or meters to measure it?

**ANSWER** _____

**2** A crayon starts at the 0 inch mark and ends at the 4 inch mark. How long is the crayon?

**ANSWER** _____

**3** A toy bug starts at the 3 cm mark and ends at the 7 cm mark. How long is the bug?

**ANSWER** _____

**4** A snack bar starts at the 2 inch mark and ends at the 6 inch mark. How long is the snack bar?

**ANSWER** _____

**5** A sticker starts at the 0 cm mark. Its end is closer to the 5 cm mark than the 4 cm mark. What is its length to the nearest whole centimeter?

**ANSWER** _____

## APPLY IT Show your work

**1** At the science table, a caterpillar toy starts at the 2 cm mark and ends at the 7 cm mark. Is it closer to 3 cm or 5 cm long? Then measure it.

WORK SPACE

**ANSWER** _____

**2** Jordan makes a toy road with a ruler. The road starts at the 0 inch mark, and its end is closer to the 6 inch mark than the 5 inch mark. What is the road's length to the nearest whole inch?

WORK SPACE

**ANSWER** _____

## CHALLENGE One step up

A puppy's leash starts at the 3 cm mark and ends at the 7 cm mark. Sam says the leash is 7 cm long. Do you agree? Explain your reasoning.

WORK SPACE AND ANSWER

**ANSWER KEY**

# Ruler Ready

**GRADE 2 · 2.MDR.5.2**

## PART 1 · PRACTICE

| # | PROBLEM | ANSWER |
|---|---|---|
| 1 | A small button is about 2 centimeters long. Would you use centimeters or meters to measure it? | **centimeters** |
| 2 | A crayon starts at the 0 inch mark and ends at the 4 inch mark. How long is the crayon? | **4 inches** |
| 3 | A toy bug starts at the 3 cm mark and ends at the 7 cm mark. How long is the bug? | **4 cm** |
| 4 | A snack bar starts at the 2 inch mark and ends at the 6 inch mark. How long is the snack bar? | **4 inches** |
| 5 | A sticker starts at the 0 cm mark. Its end is closer to the 5 cm mark than the 4 cm mark. What is its length to the nearest whole centimeter? | **5 cm** |

## PART 2 · APPLY IT

1. **5 cm** It is closer to 5 cm. It measures 5 cm. Subtract the start mark from the end mark: 7 - 2 = 5. The toy is 5 cm long.
2. **6 inches** 6 inches The end is closer to 6 than 5, so the road measures 6 inches to the nearest whole inch.

## CHALLENGE

**No. The leash is 4 cm long because it starts at 3 cm and ends at 7 cm.**

Accept correct unit abbreviations, such as cm and in. For the challenge, accept an explanation that shows the student found the distance from the start mark to the end mark, not just the end mark.