



GRADE 2 / WATCH MR DJ SOLVE

CHOOSING TOOLS AND MEASURING LENGTH

Start with the same example used in the lesson slides.

**WATCH MR DJ SOLVE****A model ruler starts at 0 cm. An object ends at 5 cm. What is its length?**

- 1** Line up the start with 0.
- 2** Read the other end.
- 3** The length is 5 cm.

Answer: **5 cm****REMEMBER** choose a useful measuring tool, line up zero and measure in whole length units.

Read each step and explain why it is valid. The next pages demonstrate the methods in more detail. Then use the large work areas on the numbered practice pages.



GRADE 2 / WORKED METHODS

CHOOSING TOOLS AND MEASURING LENGTH

Read a complete example before trying the matching method.

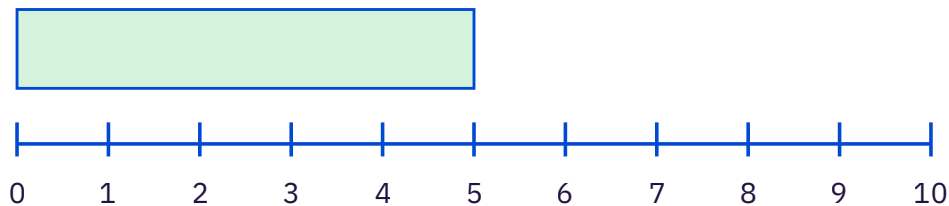


Use these examples as a reference. Keep each quantity and its unit visible. A different valid method is welcome unless a question specifically requests one.

Read from zero

The model strip is 5 cm long

1. The left end is at 0.
2. The right end is at 5.
3. Five equal gaps make 5 cm.



$$5 - 0 = 5 \text{ cm}$$

Reading model; use a real ruler to measure objects.



GRADE 2 / WORKED METHODS

CHOOSING TOOLS AND MEASURING LENGTH

Read a complete example before trying the matching method.

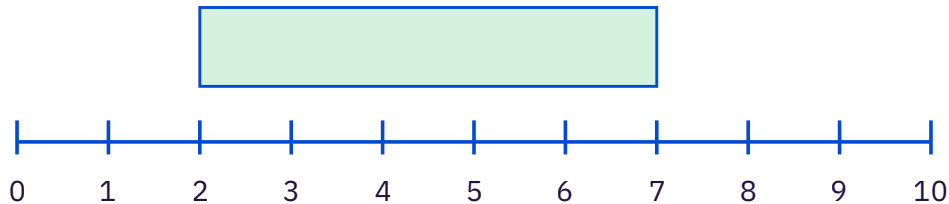


Use these examples as a reference. Keep each quantity and its unit visible. A different valid method is welcome unless a question specifically requests one.

A shifted start

2 cm to 7 cm is a length of 5 cm

1. The left end is at 2.
2. Count 5 gaps to 7.
3. $7 - 2 = 5$ cm.



$$7 - 2 = 5 \text{ cm}$$

Reading model; use a real ruler to measure objects.



GRADE 2 / MATHEMATICAL WORK TOOL

CHOOSING TOOLS AND MEASURING LENGTH

Draw, label and explain.



Make equal intervals and label zero and the unit. For number lines, keep one scale. This page is not a calibrated ruler: use a real ruler for measuring objects.





Date _____

CHOOSING TOOLS AND MEASURING LENGTH

A cartoon fox mascot with orange fur, large eyes, and a purple scarf, holding a yellow pencil.

1. Use a real ruler to measure a pencil to the nearest whole centimeter.



Date _____

CHOOSING TOOLS AND MEASURING LENGTH

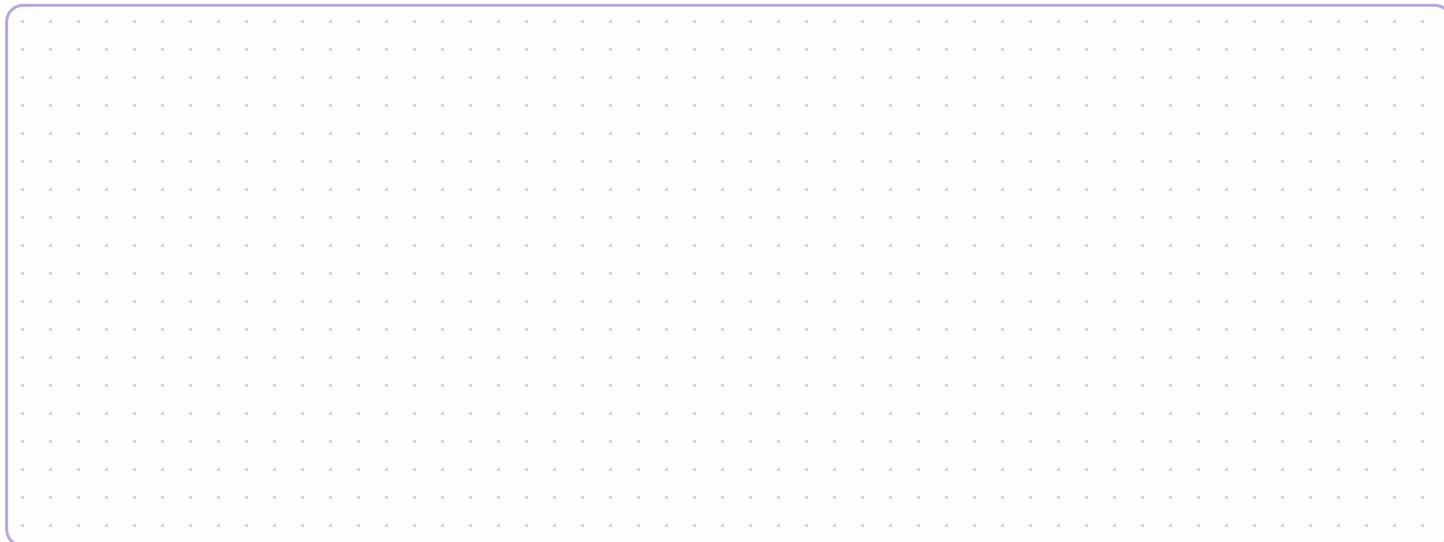
A cartoon fox mascot with orange fur, large eyes, and a purple scarf, holding a yellow pencil.

2. Choose a tool to measure a rug: a small ruler, a measuring tape or a meter stick. Explain.

My answer / conclusion: _____

◀ Medium

3. An object starts at 2 cm and ends at 7 cm on a model ruler. Find its length.



My answer / conclusion: _____



GRADE 2 / PRACTICE

CHOOSING TOOLS AND MEASURING LENGTH

Show the method, label your work, and explain the reasoning requested.



Use the worked-method reference when helpful. Use the included method reference. Show the requested method, then check your answer. Reasoning questions need evidence and an explanation.

◀ Medium

4. Measure a pencil in inches with a real ruler. Name the tool and nearest whole-inch length.

Grid area for showing work.

My answer / conclusion: _____



GRADE 2 / PRACTICE

CHOOSING TOOLS AND MEASURING LENGTH

Show the method, label your work, and explain the reasoning requested.



Use the worked-method reference when helpful. Use the included method reference. Show the requested method, then check your answer. Reasoning questions need evidence and an explanation.

◀ Medium

5. An object covers 5 whole 1-cm intervals. How long is it?

My answer / conclusion: _____



GRADE 2 / PRACTICE

CHOOSING TOOLS AND MEASURING LENGTH

Show the method, label your work, and explain the reasoning requested.



Use the worked-method reference when helpful. Use the included method reference. Show the requested method, then check your answer. Reasoning questions need evidence and an explanation.

🔥🔥🔥 Spicy

6. Digit puts a 5-cm strip at the edge of a ruler instead of its 0 mark. Could the reading be wrong? Explain.

Grid area for student response.

My answer / conclusion: _____



GRADE 2 / PRACTICE

CHOOSING TOOLS AND MEASURING LENGTH

Show the method, label your work, and explain the reasoning requested.



Use the worked-method reference when helpful. Use the included method reference. Show the requested method, then check your answer. Reasoning questions need evidence and an explanation.

🔥🔥🔥 Spicy

7. Two children measure the same pencil. Their whole-cm readings differ by 1. What should they check?

My answer / conclusion: _____



GRADE 2 / PRACTICE

CHOOSING TOOLS AND MEASURING LENGTH

Show the method, label your work, and explain the reasoning requested.



Use the worked-method reference when helpful. Use the included method reference. Show the requested method, then check your answer. Reasoning questions need evidence and an explanation.

🔥🔥🔥 Extra Spicy

8. Explain how to measure a rug longer than your ruler without leaving gaps.

Grid area for drawing and explanation.

My answer / conclusion: _____
