

Math Connections for Parents

Grade 2 Module 2
Addition and Subtraction of Length Units

Welcome to Second Grade Module! Newark City Schools is using the EngageNY curriculum, which is aligned with Ohio's New Learning Standards. Module 2 deals with measurement with rulers and meter sticks. This module will deal only with metric measurements (U.S. customary measurements will come later in the year). Students will also work with addition and subtraction and how both relate to length.

Important Words and Concepts

- End point: where something ends, where measurement begins
- Overlap: extend over
- Centimeter (cm, unit of measurement)
- Meter strip
- Meter stick
- Hash mark: the marks on a ruler
- Number line: line marked at evenly spaced intervals

Sums and Differences to 20

Students continue to work on mastering addition and subtraction facts from 0-10. They will use these facts this module to solve word problems and to continue their understanding of measurement. Help your student at home by going over basic facts to continue to work toward quick recall of these basic facts.

KEY STANDARDS

- Understand concepts about a ruler
- Measure and estimate length using different measurement tools (centimeter ruler and meter stick)
- Measure and compare lengths using different length units
- Relate addition and subtraction to length (solve addition and subtraction word problems using the ruler as a number line; solve two-step word problems)

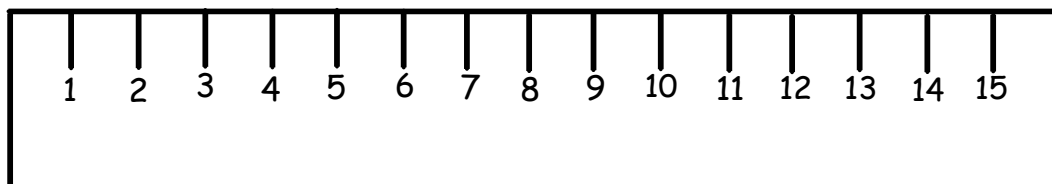


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Graphics and Strategies you may see...

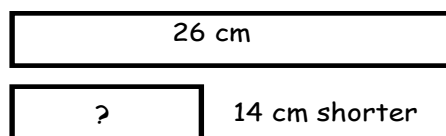


Centimeter ruler

Tape Diagrams can be helpful in solving problems involving length:

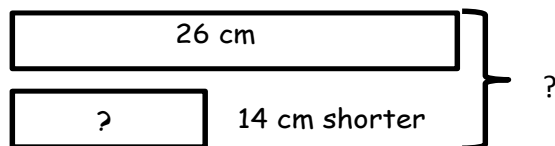
Maura's ribbon is 26 cm long. Colleen's ribbon is 14 cm shorter than Maura's ribbon. What is the total length of both the ribbons?

Step 1: Find the length of Colleen's ribbon.



$26 - 14 = 12$ cm, Colleen's ribbon is 12 cm long.

Step 2: Find the length of both ribbons.



$12 + 26 = 38$, Both ribbons measure 38 cm.