

2ND GRADE UNIT GUIDE

MARCH

Math

NC.2.MD.5 Use addition and subtraction, within 100, to solve word problems involving lengths.

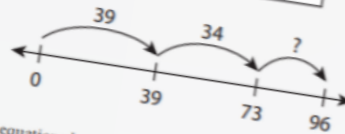
Your child might see a problem like this: Dallas has a new jump rope that is 96 inches long. Her jump rope is made of three different colored sections: green, blue, and pink. The green section is 39 inches long. The blue section is 34 inches long. How long is the pink section?

First, model the problem to organize the information.

bar model

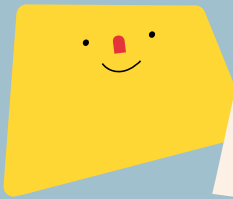
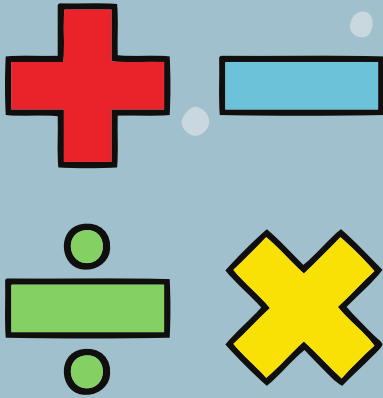


open number line



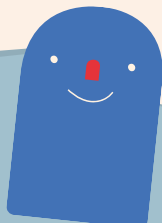
Then, write and solve equations based on one of the models.

How long are the green and blue sections combined?
 $39 + 34 = 73$
How much more rope is there?
 $73 + ? = 96$ or $96 - 73 = ?$
 $73 + 23 = 96$ and $96 - 73 = 23$
The pink section is 23 inches.



Vocabulary

equation
addition
subtraction
inches
feet
yards
centimeters
meters



Activity

Adding and Subtracting Lengths Activity

Materials: yardstick or tape measure
Select several objects from around the house and measure their heights to the nearest inch. Record in the table below. Make up and solve addition and subtraction word problems with your child.

Examples:

- How much taller is the refrigerator than the table?
- If the desk was 2 inches taller, how tall would it be?
- If I stacked a book and a lamp on the desk, how tall would the stack be?
- How much taller is the tallest chair than the shortest chair?
- If I stacked two chairs in the doorway, how tall is the space between the top of the chairs and the top of the doorway?

Object	Height (in inches)

Remember to measure everything in inches, not in feet.

