

Dear Family,

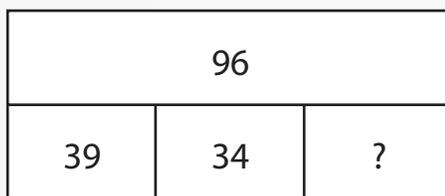
This week your child is learning to solve one- and two-step word problems involving length.



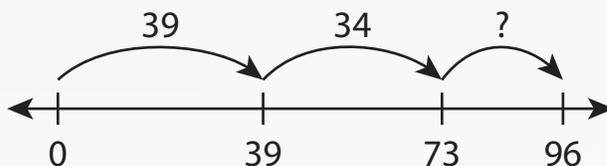
Your child might see a problem like this: Dallas has a new jump rope that is 96 inches long. Her jump rope is made of three different colored sections: green, blue, and pink. The green section is 39 inches long. The blue section is 34 inches long. How long is the pink section?

First, model the problem to organize the information.

bar model



open number line



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

How long is the green and blue sections combined?

$$39 + 34 = 73$$

How much more rope is there?

$$73 + ? = 96 \text{ or } 96 - 73 = ?$$

$$73 + 23 = 96 \text{ and } 96 - 73 = 23$$

The pink section is 23 inches.

Invite your child to share what he or she knows about solving one- and two-step measurement word problems by doing the following activity together.



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) |
|--------|-----------------------|
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Remember to measure everything in inches, not in feet.

