KCS@home
Summer Edition

Second Grade
Math

This packet includes four sections that cover the major content of 2nd grade math. Each section includes multiple pages of notes and practice for each topic. For additional support, visit KCS TV on YouTube for instructional videos that accompany each section.

The following content is included in this packet:

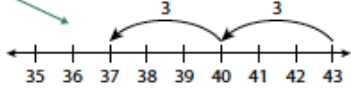| Topic			
I. Geometry	**II. Represent Addition and Subtraction Problems**	**III. Use Place Value to Add and Subtract**	**IV. Addition and Subtraction with Length**
Identify shapes and attributes	Add using words, pictures, equations, or objects	Add and subtract with two-digit numbers	Compare lengths
Tiling Rectangles	Subtract using words, pictures, equations, or objects	Add and subtract with three-digit numbers	Word problems with lengths
Halves, Thirds, and Fourths			Match word problems with equations

Judy has a ribbon 43 centimeters long. She cuts off 6 centimeters. How long is the ribbon now?

- Make a bar model.
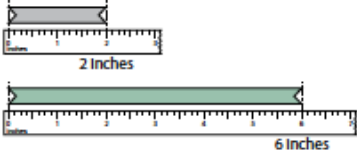- Write a number sentence.
- Use a number line.

The ribbon is now 37 centimeters long.

43	
?	6

$43 - 6 = ?$ or $? + 6 = 43$

35 36 37 38 39 40 41 42 43

How much shorter is the gray ribbon than the green ribbon?

Write a number sentence.

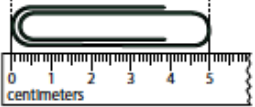$6 - 2 = ?$ or $2 + ? = 6$

The gray ribbon is 4 inches shorter.

2 Inches

6 Inches

The rulers in the Example are not life-sized.

Example:

1 Write the length of each paper clip.

__2__ centimeters

__5__ centimeters

2 Complete the number sentence to compare the lengths.

__2__ + ? = __5__ and __5__ − __2__ = ?

3 How much longer is the large paper clip than the small one?

__3__ centimeters

Marie kicked a ball 68 feet. Liam kicked a ball that went 17 feet less than that. How far did Liam kick the ball?

1 Fill in the two empty boxes in the bar model to show this problem.

	68
?	17

2 Complete the number sentences.

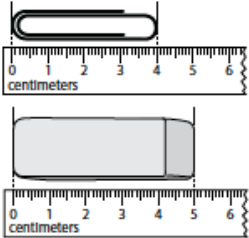$68 - \underline{17} = ?$ $? + \underline{17} = 68$

3 How far did Liam kick the ball? __51__

Use the models and stories to solve.
Practice

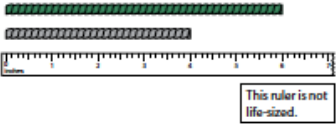How many centimeters longer is the eraser than the paper clip?

Show your work.

centimeters

centimeters

Answer: _____

How many inches shorter is the gray yarn than the green yarn?

Show your work.

This ruler is not life-sized.

Answer: _____

Mr. Becker builds a fence that is 14 feet long. Mrs. Vega builds a fence 37 feet long. How much shorter is Mr. Becker's fence than Mrs. Vega's fence?

Show your work.

Answer: _____

Jackson has a piece of yarn that is 89 centimeters long. He cuts off 19 centimeters to make it the right length for a craft project. How long is the piece of yarn now?

Show your work.

Answer: _____

Activity Set 4: Solve addition/subtraction problems involving length

Match the measurement word problem to the correct number sentence and solve.

Measurement Word Problems	Number Sentences

The field is 100 yards long. Eddie ran 65 yards down the field. Then he walked the rest of the way. How far did Eddie walk?

$65 - 18 = ?$
_____

Sasha has two tracks for her toy trains. One track is 13 inches longer than the other. The longer track is 65 inches long. How long is the shorter track?

$65 + ? = 100$
_____

Sara has a string of beads that is 65 centimeters long. She cuts off 18 centimeters to make a bracelet. How long is the string of beads that is left?

$? + 13 = 65$
_____

The sofa is 13 feet shorter than the living room wall. The sofa is 6 feet long. How long is the living room wall?

$65 - 25 = ?$
_____

A fence is 65 meters long. Tyler painted 10 meters in the morning and 15 meters in the afternoon. How many more meters of fence does Tyler have to paint?

$? = 6 + 13$
_____

Activity Set 4: Solve addition/subtraction problems involving length
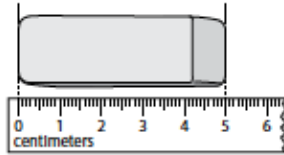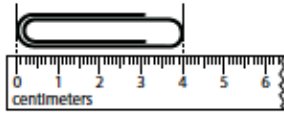
Answer Key

How many centimeters longer is the eraser than the paper clip?
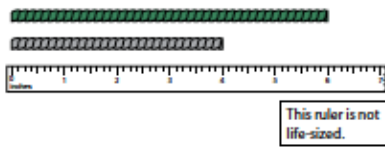
Show your work.

5 - 4 = ?

? + 4 = 1

1 cm

Answer: _____

How many inches shorter is the gray yarn than the green yarn?

Show your work.

4 + ? = 6

6 - 4 = ?

Answer: _____ 2 inches _____

This ruler is not life-sized.

Mr. Becker builds a fence that is 14 feet long. Mrs. Vega builds a fence 37 feet long. How much shorter is Mr. Becker's fence than Mrs. Vega's fence?

Show your work.

14 + ? = 37

37 - 14 = ?

Answer: _____ 23 feet _____

Jackson has a piece of yarn that is 89 centimeters long. He cuts off 19 centimeters to make it the right length for a craft project. How long is the piece of yarn now?

Show your work.

89 - 19 = ?

19 + ? = 89

Answer: _____ 70 cm _____

Measurement Word Problems	Number Sentences
The field is 100 yards long. Eddie ran 65 yards down the field. Then he walked the rest of the way. How far did Eddie walk?	65 − 18 = ? 47 cm
Sasha has two tracks for her toy trains. One track is 13 inches longer than the other. The longer track is 65 inches long. How long is the shorter track?	65 + ? = 100 35 yards
Sara has a string of beads that is 65 centimeters long. She cuts off 18 centimeters to make a bracelet. How long is the string of beads that is left?	? + 13 = 65 42 inches
The sofa is 13 feet shorter than the living room wall. The sofa is 6 feet long. How long is the living room wall?	65 − 25 = ? 40 meters
A fence is 65 meters long. Tyler painted 10 meters in the morning and 15 meters in the afternoon. How many more meters of fence does Tyler have to paint?	? = 6 + 13 19 feet