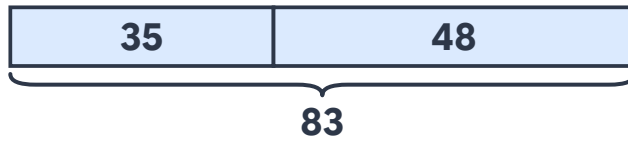


Length Word Problems

Read the bar model. Then solve. Write the unit.

Example

A red ribbon is 35 inches long. A blue ribbon is 48 inches long. If you lay them end to end, how many inches long are they?

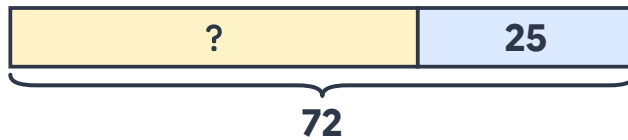


$$\underline{35} + \underline{48} = \underline{83}$$

83 inches

1.

Mia has a ribbon that is 72 centimeters long. She cuts off 25 centimeters. How many centimeters of ribbon are left?



$$\underline{\quad} \bigcirc \underline{\quad} = \underline{\quad}$$

 centimeters

2.

A snake was 38 inches long. Then it grew 17 more inches. How many inches long is the snake now?



$$\underline{\quad} \bigcirc \underline{\quad} = \underline{\quad}$$

 inches

3.

A pencil and a crayon laid end to end are 25 centimeters long. The pencil is 16 centimeters long. How many centimeters long is the crayon?



$$\underline{\quad} \bigcirc \underline{\quad} = \underline{\quad}$$

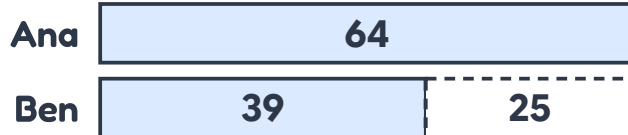
 centimeters

Length Word Problems

Compare the lengths with the bar model. Then solve.

Example

Ana's ribbon is **64** centimeters long. Ben's is **39** centimeters long. How many centimeters longer is Ana's?

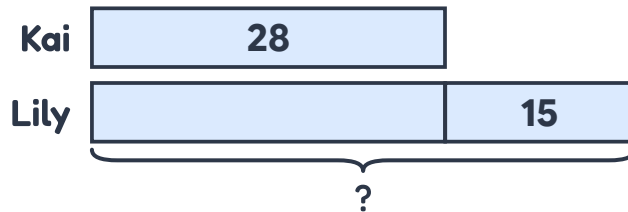


$$\underline{64} - \underline{39} = \underline{25}$$

25 centimeters

1.

Kai's toy snake is **28** inches long. Lily's is **15** inches longer. How many inches long is Lily's?

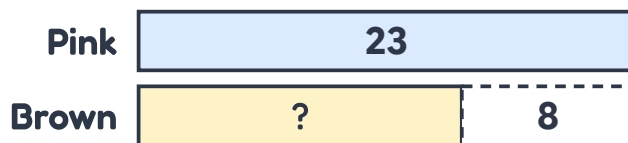


$$\underline{\quad} \bigcirc \underline{\quad} = \underline{\quad}$$

 inches

2.

A pink worm is **23** centimeters long. A brown worm is **8** centimeters shorter. How long is the brown worm?



$$\underline{\quad} \bigcirc \underline{\quad} = \underline{\quad}$$

 centimeters

3.

A paintbrush is **22** centimeters long. A pencil is **17** centimeters long. How much shorter is the pencil?



$$\underline{\quad} \bigcirc \underline{\quad} = \underline{\quad}$$

 centimeters

Length Word Problems

Solve. Show your thinking on an open number line.

Example

A toy train track is **46** inches long. Leo adds **27** more inches of track. How many inches long is the track now?



73 inches

1. A ribbon is **81** inches long. Ana uses **36** inches to wrap a gift. How many inches of ribbon are left?

_____ inches

2. Zoe's block tower is **38** centimeters tall. She wants it to be **70** centimeters tall. How many more centimeters does she need to add?

_____ centimeters

3. One snake at the zoo is **23** feet long. Another snake is **9** feet long. How many feet longer is the first snake?

_____ feet

Length Word Problems

Show each story as jumps on the number line. Then solve.

Example A crayon is **9** centimeters long. An eraser is **6** centimeters long. Laid end to end, how many centimeters long are they?

+6



15 centimeters

1. A ribbon is **18** inches long. Sam cuts off **7** inches. How many inches of ribbon are left?



_____ inches

2. A worm is **13** centimeters long. A caterpillar is **5** centimeters long. How many centimeters longer is the worm?



_____ centimeters

3. A toy train rolls **8** meters to the door. Then it rolls **9** more meters. How many meters does the train roll in all?



_____ meters

Length Word Problems

Two steps. Write a number sentence for each step.

Example A ribbon is **90** centimeters long. Mia cuts off **25** centimeters. Then she cuts off **30** more centimeters. How many centimeters are left?

Step 1 $\underline{90} - \underline{25} = \underline{65}$

Step 2 $\underline{65} - \underline{30} = \underline{35}$ 35 centimeters

1. One snake is **34** inches long. A second snake is **12** inches longer. How many inches long are the two snakes together?

Step 1 $\underline{\quad} \bigcirc \underline{\quad} = \underline{\quad}$

Step 2 $\underline{\quad} \bigcirc \underline{\quad} = \underline{\quad}$ inches

2. Leo lays out three pieces of train track. They are **28** inches, **35** inches and **22** inches long. How many inches long is the track?

Step 1 $\underline{\quad} \bigcirc \underline{\quad} = \underline{\quad}$

Step 2 $\underline{\quad} \bigcirc \underline{\quad} = \underline{\quad}$ inches

3. A block tower is **56** centimeters tall. Ana takes off **18** centimeters. Then she adds **25** centimeters. How many centimeters tall is it now?

Step 1 $\underline{\quad} \bigcirc \underline{\quad} = \underline{\quad}$

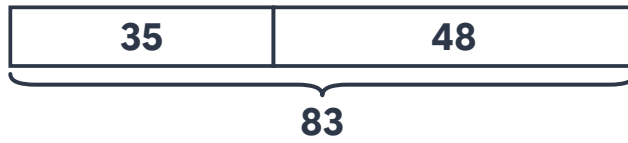
Step 2 $\underline{\quad} \bigcirc \underline{\quad} = \underline{\quad}$ centimeters

Length Word Problems

Read the bar model. Then solve. Write the unit.

Example

A red ribbon is **35** inches long. A blue ribbon is **48** inches long. If you lay them end to end, how many inches long are they?



$$\underline{35} + \underline{48} = \underline{83}$$

83 inches

1.

Mia has a ribbon that is **72** centimeters long. She cuts off **25** centimeters. How many centimeters of ribbon are left?



$$\underline{\quad} \bigcirc \underline{\quad} = \underline{\quad}$$

_____ centimeters

2.

A snake was **38** inches long. Then it grew **17** more inches. How many inches long is the snake now?



$$\underline{\quad} \bigcirc \underline{\quad} = \underline{\quad}$$

_____ inches

3.

A pencil and a crayon laid end to end are **25** centimeters long. The pencil is **16** centimeters long. How many centimeters long is the crayon?



$$\underline{\quad} \bigcirc \underline{\quad} = \underline{\quad}$$

_____ centimeters

Length Word Problems

Compare the lengths with the bar model. Then solve.

Example

Ana's ribbon is **64** centimeters long. Ben's is **39** centimeters long. How many centimeters longer is Ana's?

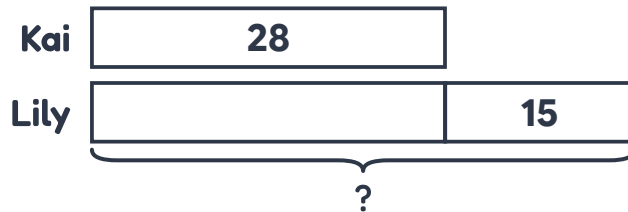


$$\underline{64} - \underline{39} = \underline{25}$$

25 centimeters

1.

Kai's toy snake is **28** inches long. Lily's is **15** inches longer. How many inches long is Lily's?

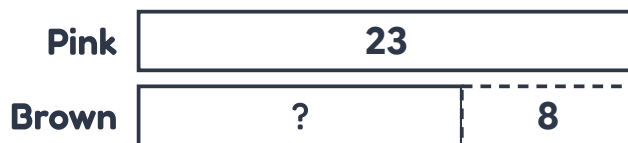


$$\underline{\quad} \bigcirc \underline{\quad} = \underline{\quad}$$

 inches

2.

A pink worm is **23** centimeters long. A brown worm is **8** centimeters shorter. How long is the brown worm?



$$\underline{\quad} \bigcirc \underline{\quad} = \underline{\quad}$$

 centimeters

3.

A paintbrush is **22** centimeters long. A pencil is **17** centimeters long. How much shorter is the pencil?



$$\underline{\quad} \bigcirc \underline{\quad} = \underline{\quad}$$

 centimeters

Length Word Problems

Solve. Show your thinking on an open number line.

Example

A toy train track is **46** inches long. Leo adds **27** more inches of track. How many inches long is the track now?



73 inches

1. A ribbon is **81** inches long. Ana uses **36** inches to wrap a gift. How many inches of ribbon are left?

_____ inches

2. Zoe's block tower is **38** centimeters tall. She wants it to be **70** centimeters tall. How many more centimeters does she need to add?

_____ centimeters

3. One snake at the zoo is **23** feet long. Another snake is **9** feet long. How many feet longer is the first snake?

_____ feet

Length Word Problems

Show each story as jumps on the number line. Then solve.

Example

A crayon is **9** centimeters long. An eraser is **6** centimeters long. Laid end to end, how many centimeters long are they?

+6



15 centimeters

1. A ribbon is **18** inches long. Sam cuts off **7** inches. How many inches of ribbon are left?



_____ inches

2. A worm is **13** centimeters long. A caterpillar is **5** centimeters long. How many centimeters longer is the worm?



_____ centimeters

3. A toy train rolls **8** meters to the door. Then it rolls **9** more meters. How many meters does the train roll in all?



_____ meters

Length Word Problems

Two steps. Write a number sentence for each step.

Example A ribbon is **90** centimeters long. Mia cuts off **25** centimeters. Then she cuts off **30** more centimeters. How many centimeters are left?

Step 1 $\underline{90} - \underline{25} = \underline{65}$

Step 2 $\underline{65} - \underline{30} = \underline{35}$ 35 centimeters

1. One snake is **34** inches long. A second snake is **12** inches longer. How many inches long are the two snakes together?

Step 1 $\underline{\quad} \bigcirc \underline{\quad} = \underline{\quad}$

Step 2 $\underline{\quad} \bigcirc \underline{\quad} = \underline{\quad}$ inches

2. Leo lays out three pieces of train track. They are **28** inches, **35** inches and **22** inches long. How many inches long is the track?

Step 1 $\underline{\quad} \bigcirc \underline{\quad} = \underline{\quad}$

Step 2 $\underline{\quad} \bigcirc \underline{\quad} = \underline{\quad}$ inches

3. A block tower is **56** centimeters tall. Ana takes off **18** centimeters. Then she adds **25** centimeters. How many centimeters tall is it now?

Step 1 $\underline{\quad} \bigcirc \underline{\quad} = \underline{\quad}$

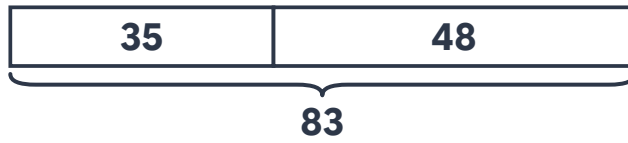
Step 2 $\underline{\quad} \bigcirc \underline{\quad} = \underline{\quad}$ centimeters

Length Word Problems

Read the bar model. Then solve. Write the unit.

Example

A red ribbon is 35 inches long. A blue ribbon is 48 inches long. If you lay them end to end, how many inches long are they?



$$\underline{35} + \underline{48} = \underline{83}$$

83 inches

1.

Mia has a ribbon that is 72 centimeters long. She cuts off 25 centimeters. How many centimeters of ribbon are left?



$$\underline{72} - \underline{25} = \underline{47}$$

47 centimeters

2.

A snake was 38 inches long. Then it grew 17 more inches. How many inches long is the snake now?



$$\underline{38} + \underline{17} = \underline{55}$$

55 inches

3.

A pencil and a crayon laid end to end are 25 centimeters long. The pencil is 16 centimeters long. How many centimeters long is the crayon?



$$\underline{25} - \underline{16} = \underline{9}$$

9 centimeters

Length Word Problems

Compare the lengths with the bar model. Then solve.

Example

Ana's ribbon is **64** centimeters long. Ben's is **39** centimeters long. How many centimeters longer is Ana's?

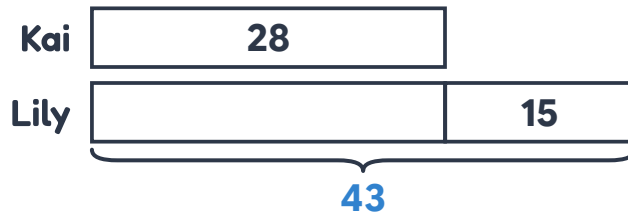


$$\underline{64} - \underline{39} = \underline{25}$$

25 centimeters

1.

Kai's toy snake is **28** inches long. Lily's is **15** inches longer. How many inches long is Lily's?



$$\underline{28} + \underline{15} = \underline{43}$$

43 inches

2.

A pink worm is **23** centimeters long. A brown worm is **8** centimeters shorter. How long is the brown worm?



$$\underline{23} - \underline{8} = \underline{15}$$

15 centimeters

3.

A paintbrush is **22** centimeters long. A pencil is **17** centimeters long. How much shorter is the pencil?



$$\underline{22} - \underline{17} = \underline{5}$$

5 centimeters

Length Word Problems

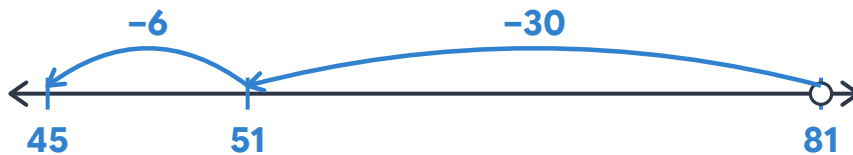
Solve. Show your thinking on an open number line.

Example A toy train track is **46** inches long. Leo adds **27** more inches of track. How many inches long is the track now?



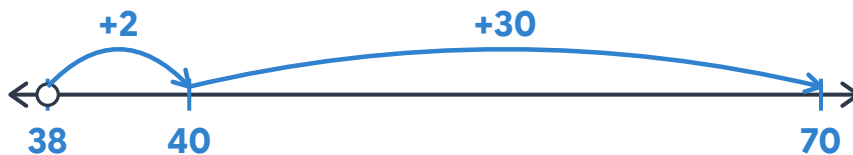
73 inches

1. A ribbon is **81** inches long. Ana uses **36** inches to wrap a gift. How many inches of ribbon are left?



45 inches

2. Zoe's block tower is **38** centimeters tall. She wants it to be **70** centimeters tall. How many more centimeters does she need to add?



32 centimeters

3. One snake at the zoo is **23** feet long. Another snake is **9** feet long. How many feet longer is the first snake?



14 feet

Length Word Problems

Show each story as jumps on the number line. Then solve.

Example A crayon is 9 centimeters long. An eraser is 6 centimeters long. Laid end to end, how many centimeters long are they?

+6



15 centimeters

1. A ribbon is 18 inches long. Sam cuts off 7 inches. How many inches of ribbon are left?

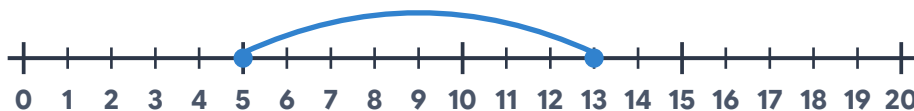
-7



11 inches

2. A worm is 13 centimeters long. A caterpillar is 5 centimeters long. How many centimeters longer is the worm?

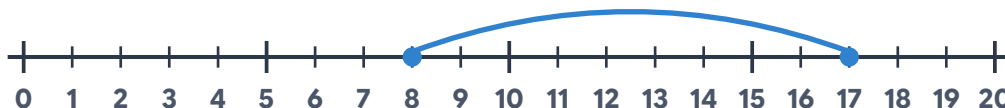
+8



8 centimeters

3. A toy train rolls 8 meters to the door. Then it rolls 9 more meters. How many meters does the train roll in all?

+9



17 meters

Length Word Problems

Two steps. Write a number sentence for each step.

Example A ribbon is **90** centimeters long. Mia cuts off **25** centimeters. Then she cuts off **30** more centimeters. How many centimeters are left?

Step 1 $\underline{90} - \underline{25} = \underline{65}$

Step 2 $\underline{65} - \underline{30} = \underline{35}$ 35 centimeters

1. One snake is **34** inches long. A second snake is **12** inches longer. How many inches long are the two snakes together?

Step 1 $\underline{34} + \underline{12} = \underline{46}$

Step 2 $\underline{34} + \underline{46} = \underline{80}$ 80 inches

2. Leo lays out three pieces of train track. They are **28** inches, **35** inches and **22** inches long. How many inches long is the track?

Step 1 $\underline{28} + \underline{35} = \underline{63}$

Step 2 $\underline{63} + \underline{22} = \underline{85}$ 85 inches

3. A block tower is **56** centimeters tall. Ana takes off **18** centimeters. Then she adds **25** centimeters. How many centimeters tall is it now?

Step 1 $\underline{56} - \underline{18} = \underline{38}$

Step 2 $\underline{38} + \underline{25} = \underline{63}$ 63 centimeters