LESSON MAKER PRO

# Length Link-Up

*Use adding and subtracting to compare lengths.*

**GRADE 2 · 2.MD.B**

**CCSS.Math.Content.2.MD.B** "Relate addition and subtraction to length."

NAME _____ DATE _____

## ADD OR SUBTRACT LENGTHS

Use addition when a length gets longer. Use subtraction to find how much shorter or longer one length is than another.

## WORKED EXAMPLE

A ribbon is 9 cm long. A string is 4 cm shorter. How long is the string?

1. Start with 9 cm.
2. Take away 4 cm.
3. 9 - 4 = 5.

**Answer: 5 cm**

## PRACTICE 5 problems

**1** A toy car is 8 cm long. A toy bus is 3 cm longer than the toy car. How long is the bus? ___ cm

**ANSWER** _____

**2** A snake toy is 12 cm long. A lizard toy is 2 cm shorter. How long is the lizard toy? ___ cm

**ANSWER** _____

**3** A paper strip is 6 cm long. Mia tapes a 7 cm strip to its end. How long are the strips together? ___ cm

**ANSWER** _____

**4** A cat's yarn is 14 cm long. A puppy's yarn is 8 cm long. How much longer is the cat's yarn? ___ cm

**ANSWER** _____

**5** A crayon is 15 cm long. It is cut so 3 cm is removed. How long is the crayon now? ___ cm

**ANSWER** _____

## APPLY IT Show your work

**1** Jae's race track is 16 cm long. He adds a 2 cm straight piece. How long is the track now?

WORK SPACE

**ANSWER**

**2** One ribbon is 17 cm long. Another ribbon is 7 cm long. How much longer is the first ribbon?

WORK SPACE

**ANSWER**

## CHALLENGE One step up

A toy train track is 21 cm long. Its straight piece is 13 cm long. The curved piece makes up the rest. How long is the curved piece? Explain with an addition or subtraction equation.

WORK SPACE AND ANSWER

**ANSWER KEY**

# Length Link-Up

**GRADE 2 · 2.MD.B**

## PART 1 · PRACTICE

| # | PROBLEM | ANSWER |
|---|---|---|
| 1 | A toy car is 8 cm long. A toy bus is 3 cm longer than the toy car. How long is the bus? ___ cm | **11 cm** |
| 2 | A snake toy is 12 cm long. A lizard toy is 2 cm shorter. How long is the lizard toy? ___ cm | **10 cm** |
| 3 | A paper strip is 6 cm long. Mia tapes a 7 cm strip to its end. How long are the strips together? ___ cm | **13 cm** |
| 4 | A cat's yarn is 14 cm long. A puppy's yarn is 8 cm long. How much longer is the cat's yarn? ___ cm | **6 cm** |
| 5 | A crayon is 15 cm long. It is cut so 3 cm is removed. How long is the crayon now? ___ cm | **12 cm** |

## PART 2 · APPLY IT

1. **18 cm** Add the new piece to the track. 16 + 2 = 18.
2. **10 cm** Subtract the shorter length from the longer length. 17 - 7 = 10.

## CHALLENGE

**8 cm; 21 - 13 = 8 or 13 + 8 = 21**

Accept correct equations with or without the cm label. For comparison problems, accept subtraction or a related addition equation that shows the correct difference.