LESSON MAKER PRO

Lengths Around Us

Add and subtract lengths in the same unit

GRADE 2 · MT.2.MD.5

MT.2.MD.5 "Use addition and subtraction within 100 to solve problems in context involving lengths that are given in the same units. This standard should incorporate cultural context relating to Montana Indigenous Peoples and local communities."

NAME _____ DATE _____

THE BIG IDEA

Add lengths to find how long they are together. Subtract to find how much longer one length is or how much is left. Use the same unit in your answer.

WORKED EXAMPLE

A toy train moves 18 centimeters, then 14 centimeters more. How far does it move in all?

1. Break 14 into 10 and 4.
2. 18 + 10 = 28.
3. 28 + 4 = 32.

Answer: 32 centimeters

PRACTICE 5 problems

1 A red ribbon is 23 centimeters long. A blue ribbon is 15 centimeters long. How long are they together?

ANSWER _____

2 A string is 47 centimeters long. You cut off 21 centimeters. How much string is left?

ANSWER _____

3 A kite tail is 34 centimeters long. You add 12 centimeters. How long is it now?

ANSWER _____

4 A stick is 63 centimeters long. A piece breaks off. The piece is 20 centimeters long. How long is the stick now?

ANSWER _____

5 One paper chain is 29 centimeters long. Another is 16 centimeters long. How long are they together?

ANSWER _____

APPLY IT Show your work

1 At a school on the Blackfeet Reservation, a class makes a paper banner 36 centimeters long. They add 22 centimeters. How long is the banner now?

WORK SPACE

ANSWER _____

2 At a school on the Crow Reservation, one toy car rolls 74 centimeters. Another rolls 49 centimeters. How many centimeters farther does the first car roll?

WORK SPACE

ANSWER _____

CHALLENGE One step up

A jump rope is 83 centimeters long. Another is 57 centimeters long. How many centimeters longer is the first rope? Write one sentence to tell how you found it.

WORK SPACE AND ANSWER

ANSWER KEY

Lengths Around Us

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PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	A red ribbon is 23 centimeters long. A blue ribbon is 15 centimeters long. How long are they together?	**38 centimeters**
2	A string is 47 centimeters long. You cut off 21 centimeters. How much string is left?	**26 centimeters**
3	A kite tail is 34 centimeters long. You add 12 centimeters. How long is it now?	**46 centimeters**
4	A stick is 63 centimeters long. A piece breaks off. The piece is 20 centimeters long. How long is the stick now?	**43 centimeters**
5	One paper chain is 29 centimeters long. Another is 16 centimeters long. How long are they together?	**45 centimeters**

PART 2 · APPLY IT

1. **58 centimeters** Add the two lengths: 36 + 22 = 58 centimeters.
2. **25 centimeters** Subtract the shorter distance from the longer one: 74 - 49 = 25 centimeters.

CHALLENGE

26 centimeters. I counted 3 centimeters from 57 to 60, then 23 more to 83, for a difference of 26 centimeters.

Accept any correct addition or subtraction method. Answers should include the unit.