LESSON MAKER PRO

Length Quest

Add and subtract lengths in the same unit.

GRADE 2 · MA.2.M.1.3

MA.2.M.1.3 "Solve one- and two-step real-world measurement problems involving addition and subtraction of lengths given in the same units."

NAME _____ DATE _____

MEASURE AND SOLVE

When lengths use the same unit, add to find the total length. Subtract to find how much is left or how much longer one object is. Write the unit in your answer.

WORKED EXAMPLE

A red ribbon is 16 inches long. A blue ribbon is 12 inches long. How long are the ribbons altogether?

1. Add the two lengths.
2. 16 + 12 = 28.
3. Write the unit.

Answer: 28 inches

PRACTICE 5 problems

1 A toy car rolls 8 inches. Then it rolls 5 more inches. How far does it roll?

ANSWER _____

2 A puppy is 15 feet from its owner along a straight path. It walks 6 feet directly toward the owner. How far away is it now?

ANSWER _____

3 A crayon is 11 centimeters long. A marker is 4 centimeters long. How long are they altogether?

ANSWER _____

4 A paper strip is 14 inches long. Mia cuts off 3 inches. How long is the strip now?

ANSWER _____

5 A toy snake is 17 centimeters long. Its tail is 8 centimeters long. How long is the rest of the toy snake?

ANSWER _____

APPLY IT Show your work

1 At the pet show, a rabbit hops 21 feet directly away from its cage along a straight path. Then it hops 7 feet directly back toward its cage. How far is the rabbit from its cage now?

WORK SPACE

ANSWER

2 Noah joins road pieces 18 inches and 9 inches long, end to end with no overlap. He then removes a 7-inch section. How long is the road now? Write an equation or draw a model.

WORK SPACE

ANSWER

CHALLENGE One step up

A toy train track is 26 inches long. A toy bridge is 19 inches long. How many inches longer is the train track than the bridge?

WORK SPACE AND ANSWER

ANSWER KEY

Length Quest

GRADE 2 · MA.2.M.1.3

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	A toy car rolls 8 inches. Then it rolls 5 more inches. How far does it roll?	**13 inches**
2	A puppy is 15 feet from its owner along a straight path. It walks 6 feet directly toward the owner. How far away is it now?	**9 feet**
3	A crayon is 11 centimeters long. A marker is 4 centimeters long. How long are they altogether?	**15 centimeters**
4	A paper strip is 14 inches long. Mia cuts off 3 inches. How long is the strip now?	**11 inches**
5	A toy snake is 17 centimeters long. Its tail is 8 centimeters long. How long is the rest of the toy snake?	**9 centimeters**

PART 2 · APPLY IT

1. **14 feet** Subtract because the rabbit hops back. 21 - 7 = 14 feet.
2. **20 inches** 18 + 9 - 7 = 20 inches.

CHALLENGE

7 inches

Accept correct answers with the matching unit written in words or abbreviations, such as in., ft, or cm. For the challenge, accept a subtraction equation such as 26 - 19 = 7.