

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 leash is 15 feet long. The puppy walks 6 feet toward its owner. How many feet of leash are still stretched out?

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 from its cage. Then it hops 7 feet back toward its cage. How far is the rabbit from its cage now?

WORK SPACE

ANSWER _____

- 2** Noah builds a road for his toy trucks. One part is 18 inches long, and another part is 9 inches long. How long is the whole road?

WORK SPACE

ANSWER _____

CHALLENGE One step up

CHALLENGE

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?

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 leash is 15 feet long. The puppy walks 6 feet toward its owner. How many feet of leash are still stretched out?	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. **27 inches** Add the two road parts. $18 + 9 = 27$ 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 $26 - 19 = 7$.