LESSON MAKER PRO

Length Detectives

Add and compare inches.

GRADE 2 · MA.2.M.1

MA.2.M.1 "Measure the length of objects and solve problems involving length."

NAME _____ DATE _____

MEASURE AND SOLVE

Add lengths when you put objects together. Subtract to find how much longer one object is than another.

WORKED EXAMPLE

A paintbrush is 10 inches long. A pencil is 6 inches long. How much longer is the paintbrush?

1. Start with 10 inches.
2. Subtract 6 inches: 10 - 6 = 4.
3. The paintbrush is 4 inches longer.

Answer: 4 inches

PRACTICE 4 problems

1 A toy train is 8 inches long. A track piece is 5 inches long. How much longer is the toy train?

ANSWER _____

2 Mia puts a 7-inch straw beside a 9-inch straw. What is their total length?

ANSWER _____

3 A puppy leash is 11 inches long. A cat leash is 2 inches long. How much longer is the puppy leash?

ANSWER _____

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

ANSWER _____

APPLY IT Show your work

1 Ava has a 15-inch jump rope. Her brother has an 8-inch jump rope. How much longer is Ava's jump rope?

WORK SPACE

ANSWER _____

2 A hamster tunnel is 13 inches long. A second tunnel is 7 inches long. What is the total length of both tunnels?

WORK SPACE

ANSWER _____

CHALLENGE One step up

Noah puts a 17-inch train track beside a 5-inch track. He says they make 21 inches. Is Noah correct? Explain.

WORK SPACE AND ANSWER

ANSWER KEY

Length Detectives

GRADE 2 · MA.2.M.1

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	A toy train is 8 inches long. A track piece is 5 inches long. How much longer is the toy train?	**3 inches**
2	Mia puts a 7-inch straw beside a 9-inch straw. What is their total length?	**16 inches**
3	A puppy leash is 11 inches long. A cat leash is 2 inches long. How much longer is the puppy leash?	**9 inches**
4	A paper strip is 14 inches long. Ben cuts off 3 inches. How long is the strip now?	**11 inches**

PART 2 · APPLY IT

1. **7 inches** Subtract the shorter length from the longer length. 15 - 8 = 7.
2. **20 inches** Add the two tunnel lengths. 13 + 7 = 20.

CHALLENGE

No. 17 + 5 = 22, so the tracks make 22 inches.

Accept answers that include inches. For the challenge, accept any explanation showing that 17 + 5 equals 22, not 21.