

Length Math Trails

Add and subtract lengths in centimeters.

GRADE 2 • NY-2.MD.5

NY-2.MD.5 "Use addition and subtraction within 100 to solve word problems involving lengths that are given in the same units."

NAME _____

DATE _____

PUT TOGETHER OR TAKE AWAY

When lengths are put together, add. When a length is taken away or you need the part left, subtract. Keep the same unit in your answer.

WORKED EXAMPLE

A toy train track is 27 cm long. Another track is 16 cm long. How long are the tracks together?

1. Write $27 + 16$.
2. Add the ones: $7 + 6 = 13$. Write 3 ones and regroup 1 ten.
3. Add the tens: $2 + 1 + 1 = 4$.
4. The total is 43 cm.

Answer: 43 cm

PRACTICE 5 problems

- 1** A red paper strip is 17 cm long. A blue paper strip is 12 cm long. How long are the strips together?

ANSWER _____

- 2** A snail trail is 54 cm long. The snail crawls 21 cm. How many centimeters are left to crawl?

ANSWER _____

- 3** A toy road is 38 cm long. A second toy road is 24 cm long. Put them end to end. How long is the road now?

ANSWER _____

- 4** A kite string is 70 cm long. Ava cuts off 18 cm. How long is the string now?

ANSWER _____

- 5** A caterpillar crawls 45 cm in the morning and 14 cm in the afternoon. How far does it crawl altogether?

ANSWER _____

APPLY IT Show your work

- 1** Noah is building a skateboard ramp from two boards. One board is 63 cm long. The other board is 28 cm long. How long are the boards together?

WORK SPACE

ANSWER _____

- 2** A hamster tunnel is 84 cm long. Pip has crawled 37 cm through the tunnel. How many centimeters does Pip have left to crawl?

WORK SPACE

ANSWER _____

CHALLENGE One step up

Two train tracks are 96 cm long when they are put together. One track is 41 cm long. How long is the other track? Explain how you found the missing length.

WORK SPACE AND ANSWER

PART 1 • PRACTICE

#	PROBLEM	ANSWER
1	A red paper strip is 17 cm long. A blue paper strip is 12 cm long. How long are the strips together?	29 cm
2	A snail trail is 54 cm long. The snail crawls 21 cm. How many centimeters are left to crawl?	33 cm
3	A toy road is 38 cm long. A second toy road is 24 cm long. Put them end to end. How long is the road now?	62 cm
4	A kite string is 70 cm long. Ava cuts off 18 cm. How long is the string now?	52 cm
5	A caterpillar crawls 45 cm in the morning and 14 cm in the afternoon. How far does it crawl altogether?	59 cm

PART 2 • APPLY IT

- 91 cm** Add the two board lengths: $63 + 28 = 91$. The boards are 91 cm together.
- 47 cm** Subtract the length Pip crawled from the whole tunnel: $84 - 37 = 47$. Pip has 47 cm left to crawl.

CHALLENGE

55 cm. I subtracted 41 cm from 96 cm: $96 - 41 = 55$.

Accept answers written with cm and correct addition or subtraction equations. For the challenge, accept a clear explanation that subtracts the known track length from the total.