

Measure Line Hops

Use number lines to add and subtract inches.

GRADE 2 • 2.MDR.5.5

2.MDR.5.5 "Represent whole-number sums and differences within a standard unit of measurement on a number line diagram."

NAME _____

DATE _____

HOP ON A NUMBER LINE

To add inches, start at the first number and hop right. To subtract inches, start at the first number and hop left.

WORKED EXAMPLE

A ribbon is 4 inches long. Add 2 inches. Use a number line.

1. Start at 4.
2. Hop right 2 times: 5, 6.
3. Land on 6.

Answer: $4 + 2 = 6$ inches

PRACTICE 4 problems

- 1** A toy car rolls 3 inches, then 5 more inches. Use a number line.

ANSWER _____

- 2** A 9-inch straw is cut 1 inch shorter. Use a number line.

ANSWER _____

- 3** A shell is 5 inches long. Put it beside another 5-inch shell. Use a number line.

ANSWER _____

- 4** A 10-inch train track has 3 inches taken away. Use a number line.

ANSWER _____

APPLY IT Show your work

- 1** Noah has an 8-inch paper strip. He tapes on 1 more inch. How long is the strip? Use a number line.

WORK SPACE

ANSWER _____

- 2** A puppy jumps 10 inches. Its next jump is 5 inches shorter. How far is the next jump? Use a number line.

WORK SPACE

ANSWER _____

CHALLENGE One step up

CHALLENGE

A bead string is 1 inch long. Ava adds some inches. The string is now 8 inches long. How many inches did Ava add? Use a number line.

PART 1 • PRACTICE

#	PROBLEM	ANSWER
1	A toy car rolls 3 inches, then 5 more inches. Use a number line.	Start at 3 and hop right 5 to 8. $3 + 5 = 8$ inches.
2	A 9-inch straw is cut 1 inch shorter. Use a number line.	Start at 9 and hop left 1 to 8. $9 - 1 = 8$ inches.
3	A shell is 5 inches long. Put it beside another 5-inch shell. Use a number line.	Start at 5 and hop right 5 to 10. $5 + 5 = 10$ inches.
4	A 10-inch train track has 3 inches taken away. Use a number line.	Start at 10 and hop left 3 to 7. $10 - 3 = 7$ inches.

PART 2 • APPLY IT

1. **9 inches** Start at 8 and hop right 1. Land on 9.
2. **5 inches** Start at 10 and hop left 5. Land on 5.

CHALLENGE

7 inches

Accept number lines with correctly counted hops right for addition or left for subtraction. Accept answers with or without the written equation when the correct length and unit are shown.