LESSON MAKER PRO

Track Hop Math

Use number lines to show length changes.

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."

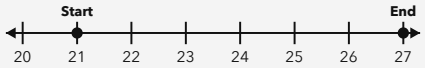
NAME _____ **DATE** _____

HOPS SHOW LENGTH

A number line has equal spaces for the same unit, such as centimeters. To add a length, hop right. To subtract a length, hop left.

WORKED EXAMPLE

A robot travels from Start to End on the centimeter track. How many centimeters does it travel?

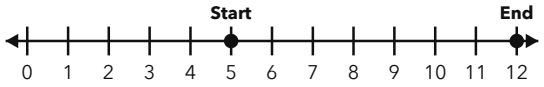


1. Start at 21 cm.
2. Count 6 equal hops right.
3. Land on 27 cm.

Answer: 6 cm

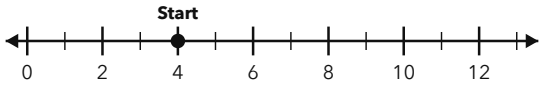
PRACTICE 5 problems

1 Look at the number line. A toy train starts at Start and stops at End. How many centimeters does it move?



ANSWER _____

2 Look at the number line. A frog starts at Start. It makes 9 one-centimeter hops right. What number does it land on?



ANSWER _____

3 A marble is at the 11 cm mark. It rolls 2 cm right. What mark does it reach?

ANSWER _____

4 A ribbon is 15 cm long. You cut off 4 cm. How long is the ribbon now?

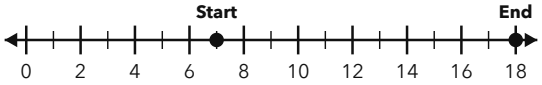
ANSWER _____

5 A caterpillar crawls from the 1 cm mark to the 10 cm mark. How far does it crawl?

ANSWER _____

APPLY IT Show your work

1 Nia's toy car starts at Start on a track and stops at End. Use the number line. How far does the car travel?



ANSWER _____

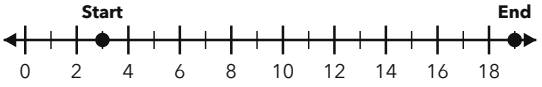
2 Eli's remote-control car travels 16 cm, then rolls back 5 cm. How far is it from where it started?

WORK SPACE

ANSWER _____

CHALLENGE One step up

Look at the number line. A jump starts at Start and ends at End. Write one subtraction sentence and one addition sentence that show the jump length.



WORK SPACE AND ANSWER

ANSWER KEY

Track Hop Math

GRADE 2 · 2.MDR.5.5

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Look at the number line. A toy train starts at Start and stops at End. How many centimeters does it move?	**7 cm**
2	Look at the number line. A frog starts at Start. It makes 9 one-centimeter hops right. What number does it land on?	**13**
3	A marble is at the 11 cm mark. It rolls 2 cm right. What mark does it reach?	**13 cm**
4	A ribbon is 15 cm long. You cut off 4 cm. How long is the ribbon now?	**11 cm**
5	A caterpillar crawls from the 1 cm mark to the 10 cm mark. How far does it crawl?	**9 cm**

PART 2 · APPLY IT

1. **11 cm** Count from 7 cm to 18 cm. The distance is 11 cm.
2. **11 cm** Show 16 cm, then hop 5 cm left on a number line. 16 - 5 = 11.

CHALLENGE

19 - 3 = 16; 3 + 16 = 19

Accept centimeters or cm for measurement answers. For the challenge, accept the two correct equations in either order.