LESSON MAKER PRO

Hop Along

Use number-line hops to add and subtract.

GRADE 2 · 2.NOS.C.7

2.NOS.C.7 "Represent whole number sums and differences within 100 using lengths on a number line."

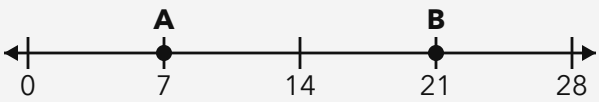
NAME _____ DATE _____

NUMBER-LINE HOPS

Each space on a number line has a length. Hop right to add or left to subtract. Count the lengths of your hops.

WORKED EXAMPLE

A bug crawls from A to B. How far does it crawl?



1. Start at A.
2. Hop right two spaces to B.
3. Add 7 + 7 = 14.

Answer: 14 spaces

PRACTICE 4 problems

1 A toy car is at 41. It rolls 8 spaces right. Sketch a hop. Where does it stop?

ANSWER _____

2 A game piece is at 63. It moves 9 spaces left. Sketch a hop. Where does it stop?

ANSWER _____

3 A puppy is at 32. It runs 12 spaces right. Sketch a hop. Where does it stop?

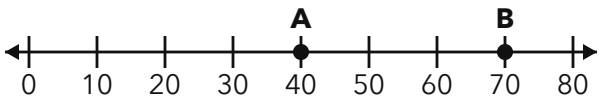
ANSWER _____

4 A toy train is at 88. It moves 13 spaces left. Sketch a hop. Where does it stop?

ANSWER _____

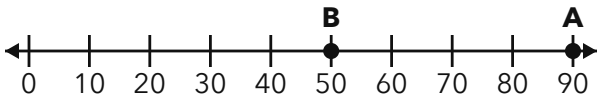
APPLY IT Show your work

1 A robot moves from A to B in a game. How many spaces does it move?



ANSWER _____

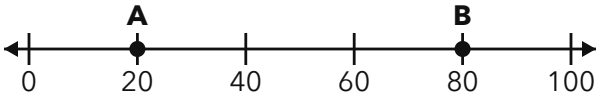
2 A marble rolls from A to B. How far left does it roll?



ANSWER _____

CHALLENGE One step up

A frog jumps from A to B. How far does it jump? Explain using hops.



WORK SPACE AND ANSWER

ANSWER KEY

Hop Along

GRADE 2 · 2.NOS.C.7

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	A toy car is at 41. It rolls 8 spaces right. Sketch a hop. Where does it stop?	**49**
2	A game piece is at 63. It moves 9 spaces left. Sketch a hop. Where does it stop?	**54**
3	A puppy is at 32. It runs 12 spaces right. Sketch a hop. Where does it stop?	**44**
4	A toy train is at 88. It moves 13 spaces left. Sketch a hop. Where does it stop?	**75**

PART 2 · APPLY IT

1. **30 spaces** Count three hops of 10 from 40 to 70.
2. **40 spaces** Count four hops of 10 left from 90 to 50.

CHALLENGE

60 spaces. Three hops of 20 go from 20 to 80.

For practice problems, accept any clear number-line sketch with a hop in the correct direction and the correct end number. For the challenge, accept other correct ways to count 60 spaces.