

Number Line Hops

Show numbers and moves on number lines.

GRADE 2 • 2.MD.B.6

CCSS.Math.Content.2.MD.B.6 "Represent whole numbers as lengths from 0 on a number line diagram with equally spaced points corresponding to the numbers 0, 1, 2,..., and represent whole-number sums and differences within 100 on a number line diagram."

NAME _____

DATE _____

HOP ALONG

A number line starts at 0. Each equal space is 1 more. To show addition, jump right. To show subtraction, jump left.

WORKED EXAMPLE

A robot has 14 bolts and gets 5 more. Show $14 + 5$ on a number line.

1. Draw equally spaced marks from 0 to 19.
2. Start at 14.
3. Make 5 jumps right: 15, 16, 17, 18, 19.
4. Circle 19.

Answer: $14 + 5 = 19$

PRACTICE 5 problems

- 1** A pack has 8 stickers. Draw a number line from 0 to 8. Circle 8.

ANSWER _____

- 2** Leo has 7 toy cars. He gets 4 more toy cars. Draw a number line to show $7 + 4$.

ANSWER _____

- 3** Maya has 12 grapes. She eats 3 grapes. Draw a number line to show $12 - 3$.

ANSWER _____

- 4** A tower has 10 blocks. Add 2 more blocks. Draw a number line to show $10 + 2$.

ANSWER _____

- 5** Noah has 13 shells. He gives 6 shells away. Draw a number line to show $13 - 6$.

ANSWER _____

APPLY IT Show your work

- 1** Nia has 24 trading cards. Her friend gives her 8 more trading cards. Draw a number line to show how many cards Nia has now.

WORK SPACE

ANSWER _____

- 2** Sam wins 31 tickets at an arcade. He trades 9 tickets for a small prize. Draw a number line to show how many tickets Sam has left.

WORK SPACE

ANSWER _____

CHALLENGE One step up

CHALLENGE

Ben has 46 game points. He uses 23 points for a prize. Draw a number line and show your jumps. How many points does Ben have left? Explain how your jumps show the answer.

PART 1 • PRACTICE

#	PROBLEM	ANSWER
1	A pack has 8 stickers. Draw a number line from 0 to 8. Circle 8.	A number line from 0 to 8, with 8 circled.
2	Leo has 7 toy cars. He gets 4 more toy cars. Draw a number line to show $7 + 4$.	Start at 7, make 4 jumps right, and circle 11.
3	Maya has 12 grapes. She eats 3 grapes. Draw a number line to show $12 - 3$.	Start at 12, make 3 jumps left, and circle 9.
4	A tower has 10 blocks. Add 2 more blocks. Draw a number line to show $10 + 2$.	Start at 10, make 2 jumps right, and circle 12.
5	Noah has 13 shells. He gives 6 shells away. Draw a number line to show $13 - 6$.	Start at 13, make 6 jumps left, and circle 7.

PART 2 • APPLY IT

1. **32 trading cards** Start at 24 and jump right 8 spaces. Land on 32.
2. **22 tickets** Start at 31 and jump left 9 spaces. Land on 22.

CHALLENGE

23 points. I jumped left 20 spaces and then 3 spaces from 46, so I landed on 23.

Accept any number line with equally spaced marks, a correct starting number, correctly sized jumps, and the correct ending number. For the challenge, accept equivalent jumps that move left a total of 23 spaces.