

CONTROLLER DOWN. RACE MODE ON.

Mission: High Score Chase!

In the island race every meter counts: who is ahead, who is just behind? The number line keeps track of it all.



Name

Date



How to practice: one mission a day (15 to 20 minutes) and 5 minutes in the trainer. On a number line, always find the small step first.

ORDERING NUMBERS · NEIGHBORS

1

One Step Forward, One Back

On the scoreboard every point counts. The number just before yours and the number just after are your neighbors.

Number before and number after

The **number before** (predecessor) is 1 less, the **number after** (successor) is 1 more: $4,999 \leftarrow 5,000 \rightarrow 5,001$. Watch the zeros: the number before 10,000 is 9,999.

A Complete the table

Number before	Number	Number after
	2,999	
	50,000	
8,099		
		100,000
39,999		

COMPARING · ORDERING



2

Who Is Ahead?

The scoreboard needs sorting. For that you compare numbers like a pro.

How to compare

1. More digits = greater number. 2. Same number of digits? Compare place by place from the left. The first digit that is different decides.

The point of < and > always faces the **smaller** number: $3 < 8$, $8 > 3$.

A Write < or >

9,999 ○ 10,000

45,678 ○ 45,687

30,303 ○ 30,033

7,010 ○ 7,001

123,456 ○ 99,999

80,080 ○ 80,800

6,543 ○ 6,534

100,001 ○ 100,010

59,999 ○ 60,000

B Sort the high scores. Start with the smallest.

24,680

24,068

26,480

20,864

24,608

28,046

 < < < < <

C Now the other way: start with the greatest number.

9,909

9,099

9,990

9,009

9,900

 > > > >

D Numbers from digit cards

Use each card exactly once.

3

0

7

5

1

greatest number: smallest number:

E Which numbers lie between 1,998 and 2,003?

 1,998 < < < < < 2,003

☐ Mission 2 done

☆ Sorting ace

READING NUMBER LINES

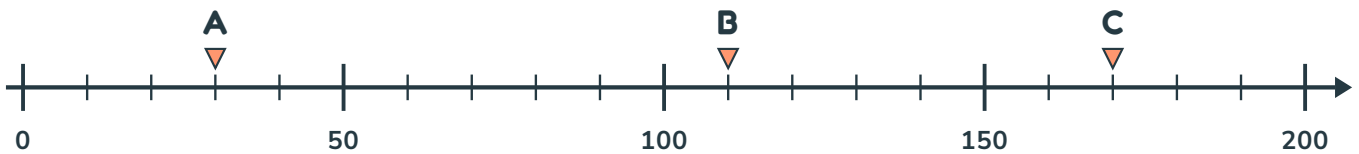
3

On the Race Track

The race track is a giant number line. But careful: not every small mark is worth 1!

**Find the step first, then read**

Look at two labeled long marks. Count the small steps between them. Divide the distance by the number of steps: that is what one small step is worth.

A Number line from 0 to 200

1 small step = A = B = C =

B Number line from 0 to 1,000

1 small step = A = B = C =

C Number line from 2,000 to 3,000

1 small step = A = B = C =

D Number line from 0 to 100,000

1 small step = A = B = C =

☐ Mission 3 done

☆ Track reader

4

Track Pro

Now you help build: mark numbers, find the halfway point and divide the number line into equal intervals.



A Mark the numbers

a) Mark 350 and 800 with an arrow below the line.



b) Mark 4,300 and 4,900 with an arrow below the line.



c) Mark 23,000 and 28,000 with an arrow below the line.



B Which number is exactly halfway?

between 400 and 600: between 2,500 and 3,000:

between 19,000 and 21,000: between 0 and 50,000:

C Complete the sequences using equal steps

600 → → → → 1,400

45,000 → → → → 65,000

EVERYTHING MIXED · LIKE A TEST

5

Test Check

Neighbors, comparisons, number lines and riddles: show what you can do.



A Lightning round

number after 69,999 =

number before 30,000 =

number after 4,099 =

number before 100,000 =

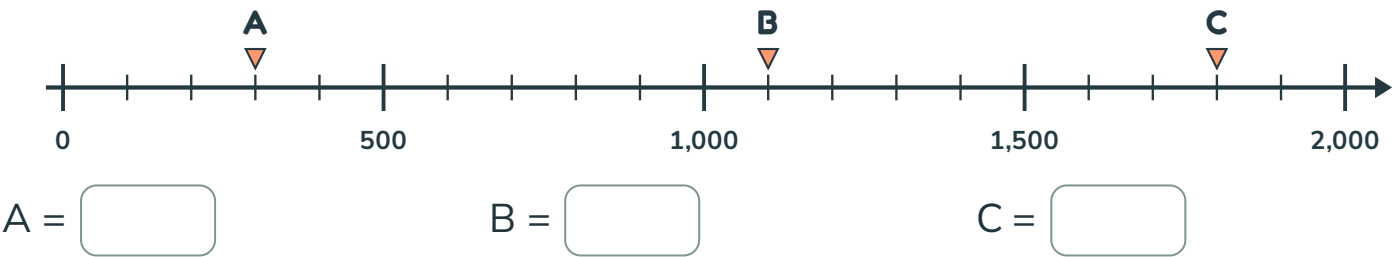
56,789 ☐ 56,798

10,101 ☐ 10,011

99,999 ☐ 100,000

4,321 ☐ 4,312

B Number line



C Number riddles

1. I am the greatest four-digit number.

2. I am the number after the greatest five-digit number.

3. I am exactly halfway between 700 and 800.

D Traffic light: how sure are you?

Number before and after	☐ ☒ got it	☐ almost	☐ practice more
Comparing and ordering	☐ ☒ got it	☐ almost	☐ practice more
Reading number lines	☐ ☒ got it	☐ almost	☐ practice more
Marking numbers and halfway	☐ ☒ got it	☐ almost	☐ practice more

☐ Mission 5 done

☆ High score champion