LESSON MAKER PRO

Number Line Detectives

Find each number's place on a marked line.

GRADE 2 · 2.NS.2.f

2.NS.2.f "Plot and justify the position of a given number up to 100 on a number line with pre-marked benchmarks of 1s, 2s, 5s, 10s, or 25s."

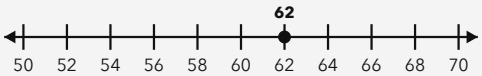
NAME _____ DATE _____

USE THE MARKS

Benchmark marks are the numbered marks already on the line. Find the nearby marks, count by the step size, and put your dot in the right place.

WORKED EXAMPLE

The number line is marked by 2s. Plot 62 and explain its place.



1. Find the mark labeled 60.
2. Move one mark right by 2.
3. Put the dot at 62.

Answer: 62 is one 2-step after 60.

PRACTICE 5 problems

1 The toy-car track is numbered on the line. Put a dot at 20. Write how you know.



ANSWER _____

2 The kite string line is marked by 2s. Put a dot at 54. Write how you know.



ANSWER _____

3 A puppy's number line has marks every 5. The number 45 is between which two tens?

ANSWER _____

4 A robot counts by 25: 0, 25, 50, 75, 100. Is 50 a benchmark mark? Write yes or no. Tell why.

ANSWER _____

5 A snack counter number line has marks every 10. How many marked jumps are there from 0 to 90?

ANSWER _____

APPLY IT Show your work

1 Mia earns 35 game tickets. Use the ticket line to plot 35. Then tell how many jumps of 5 it is from 0.



ANSWER _____

2 The library reading club reaches 100 books. Use the reading line to plot 100. Then tell how many jumps of 25 it is from 0.



ANSWER _____

CHALLENGE One step up

A number line is marked every 2. Kai says 68 is 3 marks after 60. Is Kai right? Explain.

WORK SPACE AND ANSWER

ANSWER KEY

Number Line Detectives

GRADE 2 · 2.NS.2.f

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	The toy-car track is numbered on the line. Put a dot at 20. Write how you know.	**Dot at 20. It is 4 jumps of 5 from 0.**
2	The kite string line is marked by 2s. Put a dot at 54. Write how you know.	**Dot at 54. It is 7 jumps of 2 from 40.**
3	A puppy's number line has marks every 5. The number 45 is between which two tens?	**40 and 50**
4	A robot counts by 25: 0, 25, 50, 75, 100. Is 50 a benchmark mark? Write yes or no. Tell why.	**Yes. 50 is one of the numbers the robot counts by 25.**
5	A snack counter number line has marks every 10. How many marked jumps are there from 0 to 90?	**9**

PART 2 · APPLY IT

1. **Dot at 35. It is 7 jumps of 5 from 0.** Count the 5-ticket marks from 0 to 35. The seventh jump lands on 35.
2. **Dot at 100. It is 4 jumps of 25 from 0.** Count by 25 from 0: 25, 50, 75, 100. The fourth jump lands on 100.

CHALLENGE

No. 68 is 4 marks after 60.

Accept a correctly placed dot and a matching count of equal jumps. For written explanations, accept equivalent wording that names the correct step size and position.