

Show Your Math

Use numbers, equations, and words to share your thinking.

GRADE 4 • TEKS 4.1.D

4.1.D "communicate mathematical ideas, reasoning, and their implications using multiple representations, including symbols, diagrams, graphs, and language as appropriate;"

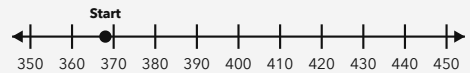
NAME _____ DATE _____

ONE IDEA, MANY WAYS

Show a math story with an equation and a model, such as a number line. Then use words to tell what your answer means.

WORKED EXAMPLE

Lena has 368 stickers. She gets 57 more. How many stickers does Lena have?

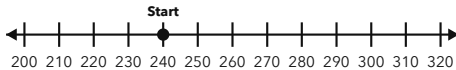


1. Write $368 + 57$.
2. Add 50: $368 + 50 = 418$.
3. Add 7: $418 + 7 = 425$.

Answer: $368 + 57 = 425$. Lena has 425 stickers.

PRACTICE 5 problems

- 1** A game score starts at 240. A player earns 68 more points. Use the number line to help. Write an equation and the new score.



ANSWER _____

- 2** There are 503 books on a shelf. Students check out 178 books. Write an equation and solve.

ANSWER _____

- 3** Find 6 groups of 34. Write a multiplication equation and a sentence that tells what the product means.

ANSWER _____

- 4** A box holds 24 markers. There are 9 boxes. Write the equation and total number of markers.

ANSWER _____

- 5** A class collected 1,000 cans. They recycled 365 cans, then 289 more cans. Write an equation and find how many cans are left.

ANSWER _____

APPLY IT Show your work

- 1** Noah has \$125 saved for a game. He earns \$75 more, then spends \$143 on the game. How much money does he have left? Write an equation and one sentence that explains your answer.

WORK SPACE

ANSWER _____

- 2** The art club makes 24 sets of posters with 6 posters in each set. They give away 37 posters. How many posters are left? Write an equation and one sentence that explains your answer.

WORK SPACE

ANSWER _____

CHALLENGE One step up

A museum has 650 tickets. On Monday, it sells 278 tickets. On Tuesday, it sells 196 tickets. Sam writes $650 - 278 + 196 = 568$ tickets left. Explain Sam's error. Then write the correct equation and answer.

WORK SPACE AND ANSWER

PART 1 • PRACTICE

#	PROBLEM	ANSWER
1	A game score starts at 240. A player earns 68 more points. Use the number line to help. Write an equation and the new score.	$240 + 68 = 308$. The new score is 308 points.
2	There are 503 books on a shelf. Students check out 178 books. Write an equation and solve.	$503 - 178 = 325$
3	Find 6 groups of 34. Write a multiplication equation and a sentence that tells what the product means.	$6 \times 34 = 204$. Six groups of 34 make 204.
4	A box holds 24 markers. There are 9 boxes. Write the equation and total number of markers.	$9 \times 24 = 216$
5	A class collected 1,000 cans. They recycled 365 cans, then 289 more cans. Write an equation and find how many cans are left.	$1,000 - 365 - 289 = 346$

PART 2 • APPLY IT

1. **$125 + 75 - 143 = 57$. Noah has \$57 left.** Add the money Noah has and earns, then subtract the cost of the game.
2. **$6 \times 24 - 37 = 107$. The art club has 107 posters left.** Find the total posters by multiplying, then subtract the posters given away.

CHALLENGE

Sam added Tuesday's tickets instead of subtracting them. $650 - 278 - 196 = 176$ tickets left.

Accept equivalent equations, including $1,000 - (365 + 289) = 346$. Accept clear student wording that correctly explains the meaning of each answer.