LESSON MAKER PRO

# Plan, Solve, Check

*Use a smart plan for each story problem.*

**GRADE 2 · TEKS 2.1.B**

**2.1.B** "use a problem-solving model that incorporates analyzing given information, formulating a plan or strategy, determining a solution, justifying the solution, and evaluating the problem-solving process and the reasonableness of the solution;"

NAME _____ DATE _____

### SOLVE STORIES STEP BY STEP

Read the story and decide if the amount gets more or less. Make a plan to add or subtract, solve the problem, and check with the opposite operation. Tell why your answer fits the story.

### WORKED EXAMPLE

Nora has 8 buttons. She gets 5 more buttons. How many buttons does she have now?

1. The number gets more, so add.
2. Write 8 + 5 = 13.
3. Check: 13 - 5 = 8.
4. The check matches the number she started with.

**Answer: Nora has 13 buttons.**

## PRACTICE 5 problems

**1** Liam has 4 toy cars. He gets 3 more toy cars. What is your plan? Solve and check your answer.

**ANSWER** _____

**2** Ava has 9 stickers. Her aunt gives her 2 more stickers. What is your plan? Solve and check your answer.

**ANSWER** _____

**3** Omar has 15 crackers. He eats 4 crackers. What is your plan? Solve and check your answer.

**ANSWER** _____

**4** A dog has 12 treats. Its owner puts 6 more treats in the bowl. What is your plan? Solve and check your answer.

**ANSWER** _____

**5** There are 17 balloons at a party. Six balloons pop. What is your plan? Solve and check your answer.

**ANSWER** _____

## APPLY IT Show your work

**1** The class pet has 14 food pellets. Jay adds 3 more pellets to the bowl. Make a plan, solve, and check. Explain why your answer makes sense.

WORK SPACE

**ANSWER** _____

**2** Riley has 19 game tokens. Riley trades 7 tokens for a new game piece. Make a plan, solve, and check. Explain why your answer makes sense.

WORK SPACE

**ANSWER** _____

## CHALLENGE One step up

Ben has 16 beads. Four beads roll away. Ben says 12 beads are left. Choose a plan. Decide if Ben is right, then use a check and explain why.

WORK SPACE AND ANSWER

**ANSWER KEY**

# Plan, Solve, Check

**GRADE 2 · TEKS 2.1.B**

## PART 1 · PRACTICE

| # | PROBLEM | ANSWER |
|---|---|---|
| 1 | Liam has 4 toy cars. He gets 3 more toy cars. What is your plan? Solve and check your answer. | **Add: 4 + 3 = 7. Check: 7 - 3 = 4. Liam has 7 toy cars.** |
| 2 | Ava has 9 stickers. Her aunt gives her 2 more stickers. What is your plan? Solve and check your answer. | **Add: 9 + 2 = 11. Check: 11 - 2 = 9. Ava has 11 stickers.** |
| 3 | Omar has 15 crackers. He eats 4 crackers. What is your plan? Solve and check your answer. | **Subtract: 15 - 4 = 11. Check: 11 + 4 = 15. Omar has 11 crackers.** |
| 4 | A dog has 12 treats. Its owner puts 6 more treats in the bowl. What is your plan? Solve and check your answer. | **Add: 12 + 6 = 18. Check: 18 - 6 = 12. The dog has 18 treats.** |
| 5 | There are 17 balloons at a party. Six balloons pop. What is your plan? Solve and check your answer. | **Subtract: 17 - 6 = 11. Check: 11 + 6 = 17. There are 11 balloons left.** |

## PART 2 · APPLY IT

1. **There are 17 pellets because Jay added more.** Add: 14 + 3 = 17. Check: 17 - 3 = 14. Add because the number of pellets increases. Use subtraction to check the total.
2. **Riley has 12 tokens because some tokens were traded away.** Subtract: 19 - 7 = 12. Check: 12 + 7 = 19. Subtract because Riley gives away tokens. Use addition to check the number left.

## CHALLENGE

**Ben is right. Subtract: 16 - 4 = 12. Check: 12 + 4 = 16. Twelve is reasonable because 4 beads rolled away.**

Accept a correct addition or subtraction plan, a correct answer, and a valid opposite-operation check. Accept clear story-based explanations that tell why the amount got more or less.