

# Think It Through

*Plan, solve, and check each story.*

**GRADE 3 • 3.MP**

**3.MP** "Display perseverance and patience in problem-solving. Demonstrate skills and strategies needed to succeed in mathematics, including critical thinking, reasoning, and effective collaboration and expression. Seek help and apply feedback..."

NAME \_\_\_\_\_

DATE \_\_\_\_\_

## MAKE A PLAN

First, decide whether the story needs adding, subtracting, multiplying, or sharing equally. Show a number sentence, then check that your answer fits the story.

## WORKED EXAMPLE

A library shelf has 36 books. A librarian adds 18 books. How many books are on the shelf now?

1. Start with 36 books.
2. Add 18:  $36 + 18 = 54$ .
3. Check: 54 is more than 36, so adding makes sense.

**Answer: 54 books**

## PRACTICE 5 problems

- 1** Noah has 31 trading cards. He gives 8 away. How many cards does he have now?

**ANSWER** \_\_\_\_\_

- 2** Five players collect 7 points each in an arcade game. How many points do they collect?

**ANSWER** \_\_\_\_\_

- 3** A class has 46 markers. It uses 19 markers. How many markers are left?

**ANSWER** \_\_\_\_\_

- 4** 56 fruit snacks are shared equally among 8 campers. How many snacks does each camper get?

**ANSWER** \_\_\_\_\_

- 5** Lena has 26 beads and gets 15 more beads. How many beads does she have now?

**ANSWER** \_\_\_\_\_

## APPLY IT Show your work

- 1** Six teams make 8 posters each for a school fair. Then 13 posters get wet. How many dry posters remain?

WORK SPACE

ANSWER \_\_\_\_\_

- 2** A pet shelter has 34 cans of food. It gets 27 more cans and uses 16 cans. How many cans are left?

WORK SPACE

ANSWER \_\_\_\_\_

## CHALLENGE One step up

### CHALLENGE

Jay has 5 boxes of 9 pencils. He gives away 13 pencils. Ana says to add  $5 + 9 - 13$ . Bo says to find the pencils in all the boxes, then subtract 13. Who is right? Explain.

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## PART 1 • PRACTICE

| # | PROBLEM                                                                                   | ANSWER            |
|---|-------------------------------------------------------------------------------------------|-------------------|
| 1 | Noah has 31 trading cards. He gives 8 away. How many cards does he have now?              | <b>23 cards</b>   |
| 2 | Five players collect 7 points each in an arcade game. How many points do they collect?    | <b>35 points</b>  |
| 3 | A class has 46 markers. It uses 19 markers. How many markers are left?                    | <b>27 markers</b> |
| 4 | 56 fruit snacks are shared equally among 8 campers. How many snacks does each camper get? | <b>7 snacks</b>   |
| 5 | Lena has 26 beads and gets 15 more beads. How many beads does she have now?               | <b>41 beads</b>   |

## PART 2 • APPLY IT

1. **35 posters** Multiply 6 groups of 8 to get 48 posters. Subtract 13 to get 35 dry posters.
2. **45 cans** Add 34 and 27 to get 61 cans. Subtract 16 cans to get 45.

## CHALLENGE

**Bo is right. Five boxes of 9 make 45 pencils, and  $45 - 13 = 32$  pencils.**

Accept correct answers with a clear number sentence or words that show a reasonable plan and check. For the challenge, accept any explanation that multiplies before subtracting.