LESSON MAKER PRO

A Strong Math Plan

Use a plan, solve carefully, and check your work.

GRADES K-12 · MA.K12.MTR.1

MA.K12.MTR.1 "Actively participate in effortful learning both individually and collectively."

NAME _____ DATE _____

A STRONG MATH PLAN

Read the situation and decide what changes first. Write the operations in order, solve, and check by using your answer in the story or by doing the opposite operation. After working alone, compare your plan with a classmate and explain any difference.

WORKED EXAMPLE

The drama club has 18 tickets. It sells 7 tickets, then receives 5 donated tickets. How many tickets does the club have now?

1. Start with 18 tickets.
2. Subtract the 7 tickets sold: 18 - 7 = 11.
3. Add the 5 donated tickets: 11 + 5 = 16.
4. Check: 16 + 7 - 5 = 18.

Answer: 16 tickets

PRACTICE 6 problems

1 Plan, solve, and check. Kai recorded 34 points in a game. He earned 12 bonus points for a team challenge. How many points does Kai have now?

ANSWER _____

2 Plan, solve, and check. The school store had 63 bookmarks. It sold 28 bookmarks. How many bookmarks are left?

ANSWER _____

3 Plan, solve, and check. A class packed 24 snack bags in the morning and 13 snack bags in the afternoon. It gave 9 snack bags to visitors. How many snack bags remain?

ANSWER _____

4 Plan, solve, and check. A playlist had 72 songs. Maya removed 26 songs and added 11 new songs. How many songs are on the playlist now?

ANSWER _____

5 Plan, solve, and check. The maker club had 48 bottle caps for a project. It used 19 bottle caps. How many bottle caps are left?

ANSWER _____

6 Plan, solve, and check. A reading challenge chart showed 39 books read last week and 22 books read this week. How many books are shown altogether?

ANSWER _____

APPLY IT Show your work

1 Plan, solve, and check. At a school talent show, students had 96 voting tokens. They used 38 tokens for the first act and 27 tokens for the second act. How many voting tokens were left?

WORK SPACE

ANSWER _____

2 Plan, solve, and check. The student council is making 84 welcome cards. It finished 29 cards on Monday and 36 cards on Tuesday. How many more cards does the student council need to make?

WORK SPACE

ANSWER _____

CHALLENGE One step up

The student council collected 144 cans for a food drive. It placed 56 cans in one collection bin and 42 cans in another. The rest were split equally between 2 classroom boxes. How many cans were in each classroom box? Explain how you checked.

WORK SPACE AND ANSWER

ANSWER KEY

A Strong Math Plan

GRADES K-12 · MA.K12.MTR.1

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Plan, solve, and check. Kai recorded 34 points in a game. He earned 12 bonus points for a team challenge. How many points does Kai have now?	**46 points**
2	Plan, solve, and check. The school store had 63 bookmarks. It sold 28 bookmarks. How many bookmarks are left?	**35 bookmarks**
3	Plan, solve, and check. A class packed 24 snack bags in the morning and 13 snack bags in the afternoon. It gave 9 snack bags to visitors. How many snack bags remain?	**28 snack bags**
4	Plan, solve, and check. A playlist had 72 songs. Maya removed 26 songs and added 11 new songs. How many songs are on the playlist now?	**57 songs**
5	Plan, solve, and check. The maker club had 48 bottle caps for a project. It used 19 bottle caps. How many bottle caps are left?	**29 bottle caps**
6	Plan, solve, and check. A reading challenge chart showed 39 books read last week and 22 books read this week. How many books are shown altogether?	**61 books**

PART 2 · APPLY IT

1. **31 voting tokens** Subtract the tokens used for both acts: 96 - 38 - 27 = 31. Check by adding 38 + 27 + 31 to get 96.
2. **19 cards** Add the completed cards, then subtract from the goal: 29 + 36 = 65, and 84 - 65 = 19. Check that 65 + 19 = 84.

CHALLENGE

23 cans in each classroom box. Check: 56 + 42 + 23 + 23 = 144.

Accept correct answers with a clear equation or labeled work and a check that matches the situation. For the challenge, accept equivalent explanations that show the two classroom boxes plus the two collection bins total 144.