LESSON MAKER PRO

Plan Solve Check

Use a plan, solve carefully, and check each result.

GRADES K-12 · MA.K12.MTR.3

MA.K12.MTR.3 "Complete tasks with mathematical fluency."

NAME _____ DATE _____

A FLUENCY PLAN

Read the situation and decide which operation matches the story. Solve in an organized way, then check whether your answer makes sense for the situation.

WORKED EXAMPLE

The school club packs 7 boxes with 8 pencils in each box. How many pencils are packed?

1. Plan: Multiply because each box has the same number of pencils.
2. Solve: 7 * 8 = 56.
3. Check: Adding 8 pencils seven times also gives 56.

Answer: 56 pencils

PRACTICE 6 problems

1 At the art table, 6 students each make 4 paper stars. How many paper stars do they make altogether? Plan, solve, and check.

ANSWER _____

2 A librarian puts 45 bookmarks equally into 5 prize bags. How many bookmarks go in each bag? Plan, solve, and check.

ANSWER _____

3 Mia has 63 photos. She puts 20 photos into an album. How many photos are not in the album? Plan, solve, and check.

ANSWER _____

4 The game club opens 3 packs with 12 cards in each pack. How many cards are opened? Plan, solve, and check.

ANSWER _____

5 The snack table starts with 58 cups. Students use 17 cups. How many cups are left? Plan, solve, and check.

ANSWER _____

6 A garden team plants 5 rows of 9 seedlings. Then the team plants 2 more seedlings. How many seedlings are planted? Plan, solve, and check.

ANSWER _____

APPLY IT Show your work

1 The school store has 4 boxes of 15 erasers. It sells 18 erasers. How many erasers are left? Show a plan and a check.

WORK SPACE

ANSWER _____

2 At field day, 72 students form equal teams of 6. Then 3 whole teams leave for a music rehearsal. How many students are still at field day? Show a plan and a check.

WORK SPACE

ANSWER _____

CHALLENGE One step up

A robotics club has 84 batteries and puts 6 batteries in each kit. The club gives 5 kits to teams. How many batteries are not given away? Explain how you checked your answer.

WORK SPACE AND ANSWER

ANSWER KEY

Plan Solve Check

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PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	At the art table, 6 students each make 4 paper stars. How many paper stars do they make altogether? Plan, solve, and check.	**24 paper stars**
2	A librarian puts 45 bookmarks equally into 5 prize bags. How many bookmarks go in each bag? Plan, solve, and check.	**9 bookmarks**
3	Mia has 63 photos. She puts 20 photos into an album. How many photos are not in the album? Plan, solve, and check.	**43 photos**
4	The game club opens 3 packs with 12 cards in each pack. How many cards are opened? Plan, solve, and check.	**36 cards**
5	The snack table starts with 58 cups. Students use 17 cups. How many cups are left? Plan, solve, and check.	**41 cups**
6	A garden team plants 5 rows of 9 seedlings. Then the team plants 2 more seedlings. How many seedlings are planted? Plan, solve, and check.	**47 seedlings**

PART 2 · APPLY IT

1. **42 erasers** Find the total first: 4 * 15 = 60. Then subtract the erasers sold: 60 - 18 = 42.
2. **54 students** First find the number of teams: 72 / 6 = 12. After 3 teams leave, 9 teams remain, and 9 * 6 = 54 students.

CHALLENGE

54 batteries. I checked that 14 kits can be made, and 9 kits remain after 5 are given away. 9 * 6 = 54.

Accept correct computations with a matching equation or a clear written check. For the challenge, accept any clear check that confirms 54 batteries.