LESSON MAKER PRO

Solve It

Make a plan, solve, and check your answer.

GRADE 3 · 3.MP.1

3.MP.1 "Make sense of problems and persevere in solving them."

NAME _____ DATE _____

A PROBLEM-SOLVING PLAN

Read the problem carefully and decide what you need to find. Make a plan, solve one step at a time, then check whether your answer makes sense.

WORKED EXAMPLE

A librarian puts 28 bookmarks equally into 7 folders. How many bookmarks go in each folder?

1. Need to find how many are in each equal group, so divide.
2. 28 / 7 = 4.
3. Check: 7 x 4 = 28.

Answer: 4 bookmarks go in each folder.

PRACTICE 6 problems

1 Mia has 30 trading cards. She puts 5 cards on each album page. How many pages does she fill? Plan, solve, and check.

ANSWER _____

2 A player's game score is 52 points. The player earns 23 more points and then spends 15 points. What is the new score? Plan, solve, and check.

ANSWER _____

3 The art club makes 8 rows of 3 paper flags. How many paper flags do they make? Plan, solve, and check.

ANSWER _____

4 Nora had some beads. She gave 12 beads to a friend and had 19 beads left. How many beads did Nora have at first? Plan, solve, and check.

ANSWER _____

5 A teacher shares 48 markers equally among 8 tables. How many markers does each table get? Plan, solve, and check.

ANSWER _____

6 Liam has 29 points in a reading game. He earns 16 more points. He wants 50 points. How many more points does he need? Plan, solve, and check.

ANSWER _____

APPLY IT Show your work

1 For a video-game club prize table, there are 6 boxes with 8 key chains in each box. The club gives away 17 key chains. How many key chains are left? Show your plan and check your answer.

WORK SPACE

ANSWER _____

2 Sam has 60 points to spend at a comic shop. Sam buys 3 comic books for 12 points each, then earns 5 more points. How many points does Sam have now? Show your plan and check your answer.

WORK SPACE

ANSWER _____

CHALLENGE One step up

A camp has 54 name tags to share equally among 9 teams. How many name tags does each team get? Explain how multiplication can check your answer.

WORK SPACE AND ANSWER

ANSWER KEY

Solve It

GRADE 3 · 3.MP.1

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Mia has 30 trading cards. She puts 5 cards on each album page. How many pages does she fill? Plan, solve, and check.	**6 pages**
2	A player's game score is 52 points. The player earns 23 more points and then spends 15 points. What is the new score? Plan, solve, and check.	**60 points**
3	The art club makes 8 rows of 3 paper flags. How many paper flags do they make? Plan, solve, and check.	**24 paper flags**
4	Nora had some beads. She gave 12 beads to a friend and had 19 beads left. How many beads did Nora have at first? Plan, solve, and check.	**31 beads**
5	A teacher shares 48 markers equally among 8 tables. How many markers does each table get? Plan, solve, and check.	**6 markers**
6	Liam has 29 points in a reading game. He earns 16 more points. He wants 50 points. How many more points does he need? Plan, solve, and check.	**5 more points**

PART 2 · APPLY IT

1. **31 key chains** Find the total first: 6 x 8 = 48. Then subtract the key chains given away: 48 - 17 = 31.
2. **29 points** Find the cost of the comic books: 3 x 12 = 36. Subtract 36 from 60, then add 5: 60 - 36 + 5 = 29.

CHALLENGE

Each team gets 6 name tags. Check: 9 x 6 = 54, so the equal sharing is correct.

Accept correct equations, drawings, repeated addition, or other clear strategies that lead to the stated answer. For the challenge, accept an explanation that uses 9 x 6 = 54 or another correct multiplication check.