LESSON MAKER PRO

Solve It Exactly

Use clear math, labels, and checks.

GRADE 3 · 3.MP.6

3.MP.6 "Attend to precision."

NAME _____ DATE _____

BE PRECISE

Read each question carefully and decide what the answer needs to tell. Write an equation, include the correct unit or label, and check that your answer makes sense. You can check division by multiplying.

WORKED EXAMPLE

Noah puts 48 stickers equally into 6 envelopes. How many stickers are in each envelope?

1. Write the equation: 48 / 6 = ___.
2. Divide: 48 / 6 = 8.
3. Check: 6 x 8 = 48.

Answer: 8 stickers in each envelope

PRACTICE 6 problems

1 A helper puts 35 returned books equally on 5 shelves. Plan, solve, and check with multiplication. How many books are on each shelf?

ANSWER _____

2 Maya has 27 minutes to practice 3 songs for the same amount of time. Plan, solve, and check. How many minutes can she practice each song?

ANSWER _____

3 At a school play, 9 tickets cost $3 each. Write an equation, solve, and check. What is the total cost?

ANSWER _____

4 A gardener plants 63 seedlings in 9 equal rows. Estimate first, then divide and check. How many seedlings are in each row?

ANSWER _____

5 A coach fills 5 water coolers with 45 cups of water equally. Plan, solve, and check. How many cups of water go in each cooler?

ANSWER _____

6 Art club begins at 2:15 p.m. and lasts 35 minutes. Count carefully and write the ending time with p.m. What time does art club end?

ANSWER _____

APPLY IT Show your work

1 Jay has 84 game cards. He wants the same number of cards on each of 12 binder pages. Estimate, solve, and check your answer with multiplication. How many cards go on each page?

WORK SPACE

ANSWER _____

2 A class display board is 125 centimeters wide. Three photos are each 37 centimeters wide and are placed side by side with no gaps. Plan your steps, solve, and check. How many centimeters of empty space are left?

WORK SPACE

ANSWER _____

CHALLENGE One step up

At a game table, 4 teams score 18 points each. They also earn a bonus of 25 points. The scoreboard shows 96 points. Is the scoreboard correct? Explain using an equation and a complete sentence.

WORK SPACE AND ANSWER

ANSWER KEY

Solve It Exactly

GRADE 3 · 3.MP.6

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	A helper puts 35 returned books equally on 5 shelves. Plan, solve, and check with multiplication. How many books are on each shelf?	**7 books on each shelf**
2	Maya has 27 minutes to practice 3 songs for the same amount of time. Plan, solve, and check. How many minutes can she practice each song?	**9 minutes for each song**
3	At a school play, 9 tickets cost $3 each. Write an equation, solve, and check. What is the total cost?	**$27**
4	A gardener plants 63 seedlings in 9 equal rows. Estimate first, then divide and check. How many seedlings are in each row?	**7 seedlings in each row**
5	A coach fills 5 water coolers with 45 cups of water equally. Plan, solve, and check. How many cups of water go in each cooler?	**9 cups in each cooler**
6	Art club begins at 2:15 p.m. and lasts 35 minutes. Count carefully and write the ending time with p.m. What time does art club end?	**2:50 p.m.**

PART 2 · APPLY IT

1. **7 cards on each page** Divide 84 by 12 to get 7. Check that 12 x 7 = 84.
2. **14 centimeters** Find the width of the three photos: 3 x 37 = 111. Subtract 111 from 125 to get 14 centimeters.

CHALLENGE

No. 4 x 18 = 72, and 72 + 25 = 97, so the scoreboard is 1 point too low.

Accept correct equations, clear checks, and equivalent wording that includes the needed unit or label. For the challenge, accept any explanation showing a total of 97 points and identifying that 96 is 1 point too low.