LESSON MAKER PRO

Precision Power

Solve carefully, label answers, and check.

GRADE 5 · 5.MP.6

5.MP.6 "Attend to precision."

NAME _____ DATE _____

BE EXACT

Estimate first so you know what answer makes sense. Then calculate carefully, use the correct unit, and check your answer in the story.

WORKED EXAMPLE

A snack table needs 18 strawberries. Strawberries come in packs of 6. How many packs are needed?

1. Estimate: 18 is about 3 groups of 6.
2. Calculate: 18 / 6 = 3.
3. Check: 3 packs x 6 strawberries = 18 strawberries.

Answer: 3 packs

PRACTICE 5 problems

1 A filling station fills 5 bottles with 400 mL each. How many liters of water is that? Show a check.

ANSWER _____

2 A theater puts 28 seats into rows of 7 seats. How many rows are needed? Write the unit.

ANSWER _____

3 A hiker walks 1.75 km before lunch and 2.40 km after lunch. How far does the hiker walk? Estimate first.

ANSWER _____

4 A game costs $4.27. Nia pays with $9.00. How much change should she get? Check by adding.

ANSWER _____

5 A baking club uses 2/5 cup of flour for each of 5 batches. How many cups of flour are used?

ANSWER _____

APPLY IT Show your work

1 At game club, 48 trading cards are packed equally into 12 prize bags. How many cards go in each bag? Show an equation and label your answer.

WORK SPACE

ANSWER _____

2 The robotics club earns $14.75, $8.20, and $5.05 at three sales. What is the total earned? Write dollars and cents exactly.

WORK SPACE

ANSWER _____

CHALLENGE One step up

Four teams collect 25 cans each for a food drive. Then 17 loose cans are added. Jalen writes 4 + 25 + 17 = 46 cans. Is Jalen correct? Explain and give the exact total.

WORK SPACE AND ANSWER

ANSWER KEY

Precision Power

GRADE 5 · 5.MP.6

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	A filling station fills 5 bottles with 400 mL each. How many liters of water is that? Show a check.	**2L**
2	A theater puts 28 seats into rows of 7 seats. How many rows are needed? Write the unit.	**4 rows**
3	A hiker walks 1.75 km before lunch and 2.40 km after lunch. How far does the hiker walk? Estimate first.	**4.15 km**
4	A game costs $4.27. Nia pays with $9.00. How much change should she get? Check by adding.	**$4.73**
5	A baking club uses 2/5 cup of flour for each of 5 batches. How many cups of flour are used?	**2 cups**

PART 2 · APPLY IT

1. **4 cards per bag** Divide 48 by 12. Check that 12 bags with 4 cards each make 48 cards.
2. **$28.00** Add the amounts by lining up decimal points: 14.75 + 8.20 + 5.05 = 28.00.

CHALLENGE

No. 4 x 25 + 17 = 117 cans. Jalen added the number of teams instead of multiplying by 25 cans per team.

Accept equivalent forms with correct units, including $28 for $28.00. For the challenge, require both the correction and an explanation that identifies the missing multiplication.