

For Problems 1 and 2, make an estimate.

Then divide using partial-quotients division. Report your remainder as a fraction.

Use your estimate to check that your answers make sense.



1  $5,926 / 48 = ?$  **Sample answer:**

Estimate:  $6,000 / 50 = 120$

2  $9,031 / 71 = ?$  **Sample answer:**

Estimate:  $9,000 / 90 = 100$

Answer:  $123 \frac{22}{48}$

Answer:  $127 \frac{14}{71}$

For Problems 3 and 4, write a number model for the story using a letter for the unknown. Then solve the story. Remember to think about what you should do with the remainder.

- 3 A food pantry received a donation of 248 cans of chicken. They want to distribute them evenly to 9 different soup kitchens in the city. How many cans of chicken will each soup kitchen get?

Number model:  $248 / 9 = c$

- 4 Calvin is cutting a roll of paper into 4 pieces to make signs for the school carnival. The paper is 145 inches long. How long should he make each banner?

Number model:  $145 \div 4 = b$

Answer:  $27 \text{ cans}$

Answer:  $36 \frac{1}{4} \text{ inches}$

- 5 Explain how you found your answer to Problem 4. **Sample answer:**  
I used partial-quotients division and found that 36 groups of 4 are in 145, with 1 left over. I divided the 1 into 4 equal parts since paper can be cut into fractions of an inch.