

Problem Solving: Writing to Explain

In a chess club, 1 out of every 4 members is in sixth grade. There are 24 members in the chess club. How many members are in the sixth grade? Explain your solution.

Gerry's explanation:

6 members are in the sixth grade.

Use reasoning: I multiplied 4 members by 6 to get 24 members, so I multiplied 1 by 6 to get 6 members in the sixth grade.

Then I checked to see if the ratios were proportional.

$$\frac{1 \text{ sixth grader}}{4 \text{ members}} = \frac{6 \text{ sixth graders}}{24 \text{ members}}$$

Since the ratios are proportional, the answer is correct.

- Use words, numbers, symbols, pictures, diagrams, or tables. If the problem includes pictures, diagrams, or tables that provide information or give details, refer to these.
- Describe the steps and operations you used. Show your work.

Explain your solution. Show your work.

1. Ms. Chin's class recorded the weather conditions for 14 days. The weather was cloudy 3 days out of every 7 days. Ms. Jensen's class recorded the weather for the next 10 days. The weather was cloudy 4 days out of every 5 days. Which class recorded more cloudy days?

2. Lynette earns \$5 by delivering newspapers. She saves \$3 and she spends the rest. If she saved \$27 one month, how much did she spend?
