Assessment : Section C Checkpoint

Problem 1

Goals Assessed

- Solve multi-step problems involving multiplicative comparison and measurement.

Statement

Priya and her aunt wanted to see how far they can each throw a frisbee. Priya's aunt's throw was 52 yards, which was 4 times the distance of Priya's throw.

What was the distance of Priya's throw in feet? Explain or show your reasoning.

Solution

39 feet. Sample responses:

- Priya's throw is $52 \div 4$ or 13 yards. One yard is 3 feet, so 13 yards is 13×3 or 39 feet.
- One yard is 3 feet, so 52 yards is 156 feet. This is 4 times Priya's distance. I know $160 = 4 \times 40$ and 156 is 4 less than 160, so $156 = 4 \times 39$.

Problem 2

Goals Assessed

- Solve multi-step problems involving multiplicative comparison and measurement.

Statement

A rectangle has a width of $2\frac{1}{4}$ inches. The perimeter of the rectangle is 13 inches. What is the length of the rectangle? Explain or show your reasoning.

Solution

$4\frac{1}{4}$ inches. Sample reasoning: The two $2\frac{1}{4}$-inch sides make up $2\frac{1}{4} + 2\frac{1}{4}$ or $4\frac{2}{4}$ inches of the perimeter. The other two sides are $13 - 4\frac{2}{4}$ or $8\frac{2}{4}$ inches long. Each of those sides is $4\frac{1}{4}$ inches long because $2 \times 4\frac{1}{4} = 8\frac{2}{4}$.