

Assessment : Section C Checkpoint

Problem 1

Goals Assessed

- Solve problems involving fraction multiplication and division.

Statement

Three friends equally share $\frac{1}{2}$ kg of cherries.

1. Write a division expression that represents this situation.
2. Write a multiplication expression that represents this situation.
3. How many kilograms of cherries did each friend get? Explain or show your reasoning.

Solution

Sample responses:

1. $\frac{1}{2} \div 3$
2. $\frac{1}{3} \times \frac{1}{2}$
3. $\frac{1}{6}$. I just found the product $\frac{1}{3} \times \frac{1}{2}$.

Problem 2

Goals Assessed

- Solve problems involving fraction multiplication and division.

Statement

The trail is $3\frac{1}{4}$ miles long. Mai walked $\frac{1}{3}$ of the trail. How many miles did Mai walk? Explain or show your reasoning.

Solution

$1\frac{1}{12}$ miles. Sample response: $\frac{1}{3}$ of 3 is 1 and $\frac{1}{3}$ of $\frac{1}{4}$ is $\frac{1}{3} \times \frac{1}{4}$ or $\frac{1}{12}$.