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Solve Problems Using Patterns

Goal Identify patterns to solve problems.

? How many seeds are on the strawberry?



Jose's Solution

Understand

I need to figure out the number of seeds on the strawberry without counting one at a time.

Make a Plan

I'll use the trick from the poem.
I'll look for pairs of rows that add to nine.

Carry Out the Plan

The top row has seven seeds and the bottom row has two seeds.

$$7 + 2 = 9$$

The middle two rows have four seeds and five seeds.

$$4 + 5 = 9$$

I predict the other two rows will sum to nine, too.
I check my prediction.

$$6 + 3 = 9$$

I have three groups of nine.

$$3 \times 9 = 27$$

There are 27 seeds on the strawberry.

