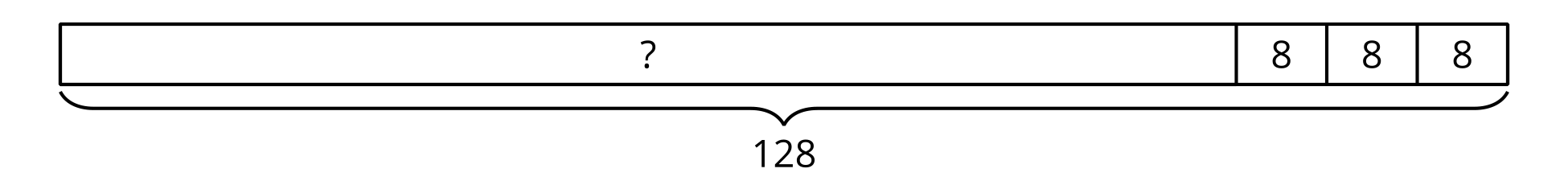
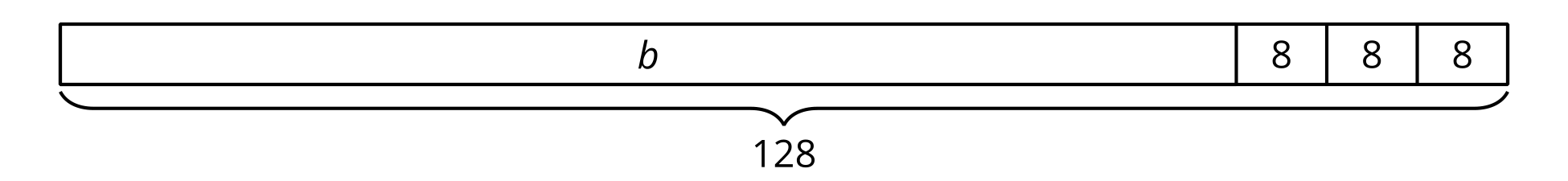
## Lesson 19: Situations and Equations

* Let’s represent and solve problems.

### Warm-up: Notice and Wonder: The Unknown

What do you notice? What do you wonder?



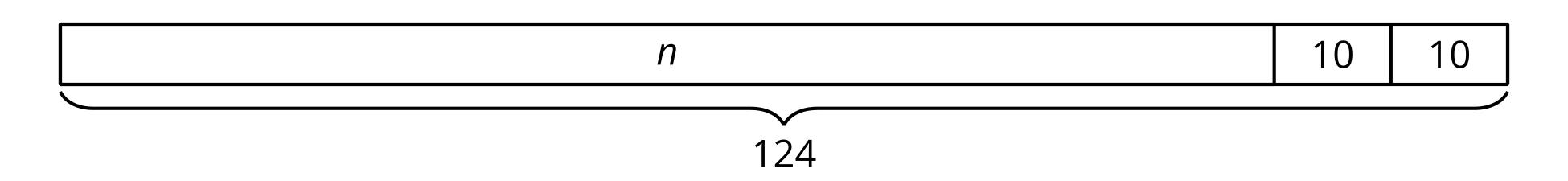


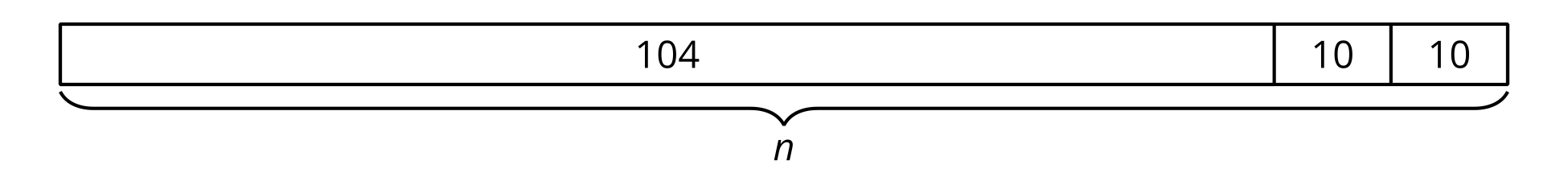
### 19.1: Mai’s Beads

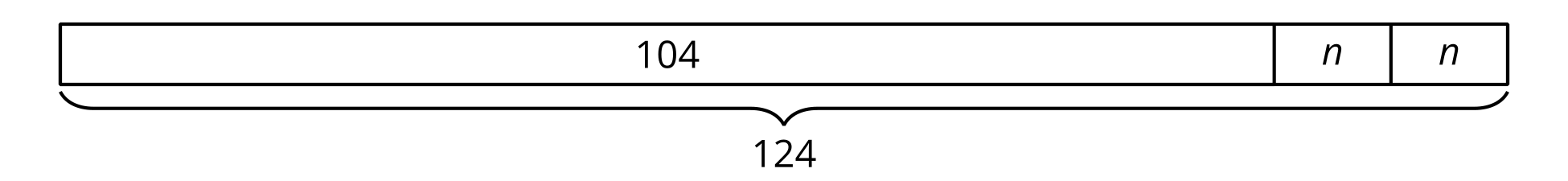
Part 1

Match each diagram with a situation. Be ready to explain your reasoning.

* Situation 1: Mai had 104 beads. She bought two packs of beads and now she has 124 beads. How many beads were in each pack?
* Situation 2: Mai had some beads. She bought 2 more packs of beads and each pack has 10 beads in it. Now she has 124 beads. How many beads did Mai have before?
* Situation 3: Mai had 104 beads. She bought 2 more packs of beads and each pack has 10 beads in it. How many beads does she have now?

A

B

C

Part 2

Match each equation with a letter for the unknown quantity to a situation in Part 1.

### 19.2: Represent, Solve, Explain

Kiran is setting up a game of mancala. He has a jar of 104 stones.

From the jar, he takes 3 stones for each of the 6 pits on his side of the board.

How many stones are in the jar now?



1. Write an equation to represent the situation. Use a letter for the unknown quantity.
2. Solve the problem. Explain or show your reasoning.
3. Explain how you know your answer makes sense.



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