Camas for Next Year Worksheet

People are gathering Camas in a field. They know that if they harvest too much, there will not be enough Camas in the future. They know it is important to make sure Camas continue to grow year after year. People who gather Camas pay close attention to how much they take so the plants can continue to grow in the same place over time. Not overharvesting makes sure there is food for the future. This is called Stewardship.

The field from which the Camas bulbs are being harvested has 100 bulbs in the ground:

1. What happens if every bulb is taken?

If all 100 Camas bulbs are harvested, how many will be left to grow next year?

Use an equation to show your thinking: _____Answer: _____

- Workspace:

2. Leaving some Camas bulbs to grow next season.

Instead of taking all the Camas bulbs, 10 Camas bulbs are left in the ground to grow.

Each one of those remaining bulbs will make 10 new bulbs next season.

How many new Camas bulbs will there be for the next harvest? _____

Word Equation:

- 10 bulbs left x 10 new bulbs each =_____new Camas bulbs
- Workspace: 10
  x 10

3. Are there enough Camas bulbs for the future?

If only 10 Camas bulbs are left, would there be enough Camas for harvesting and eating next year while still having enough left to grow for the future?

- ☐ Yes
- ☐ No

Explain your thinking: _____

4. Making a careful choice

You want to harvest and eat 70 Camas bulbs this year.

If you harvest 70 bulbs, how many bulbs remain in the ground? _____

Word Equation:

- 100 field bulbs – 70 harvested bulbs = _____ Camas bulbs left.
- Workspace

100
- 70

If 70 bulbs are harvested, how many new Camas Bulbs will grow next year from the bulbs left in the ground? (Hint: The number of bulbs you left in the field will make 10 more bulbs each.)

Complete this number equation:

_____(bulbs left) x _____ (new bulbs made) = _____(new bulbs in the field)

- Workspace:

Based on the above equation, will there be at least 100 Camas bulbs for next year?

- ☐ Yes
- ☐ No

5. Try Again (optional challenge)

If your answer was No, try calculating the numbers in a different way.

How many Camas bulbs could you harvest and eat in a year, but still have at least 100 Camas bulbs available for the next year?

- I will harvest and eat: _____
- Camas bulbs left: _____
- New Camas bulbs next year: _____

Closing Question:

How does leaving some Camas bulbs in the ground help Camas continue to grow?

_____

_____