

**Using the Whiteboard**

- Pull out the Problem tab and read the problem to the students.
- Change the **Pen** color to blue.
- Read the number sentence and guide a volunteer to use the **Pen** to complete the estimate.
- Tap the first **Action Arrow**. Read and discuss the parts of Step 1.
- Ask students to solve the problem.
- If available, have students use their *SMART Response* remotes to answer.
- If installed, click the *SMART Response* tab, and then start the question to begin voting.
- A volunteer may use the **Pen** to show his or her work.
- Tap the second **Action Arrow**. Read and discuss the parts of Step 2.
- Guide a volunteer to use the **Pen** to write the answer on the blank line.
- Tap the third **Action Arrow** and repeat the previous two steps for Step 3.

**Teaching the Math**

**Ask:** Why do you estimate before you multiply? *I estimate so I will know what is a reasonable answer.*

**Ask:** Explain how you know if the estimate will be less than or greater than the actual product. *Since one factor is rounded up and the other stayed the same, the estimate will be greater than the exact product.*

**Answer Key**

Possible Estimate:  $3 \times 600 = 1,800$

$3 \times 7$  ones = **21** ones.

$3 \times 6$  tens = **18** tens.

$3 \times 5$  hundreds = **15** hundreds.

So, Alley Spring produces **1,701** gallons of water in 3 weeks.