

**Using the Whiteboard**

- Pull out the Problem tab and discuss the problem with students.
- Tap **Think** to reveal helpful text.
- Ask a student to use the **Pen** to complete the equations.
- Ask another student to use the **Pen** to complete the table.
- Tap the first **Action Arrow** to reveal Step 3.
- Tap **Think** to reveal the helpful text.
- Ask a student to use the **Pen** to write his or her answers in the space provided.
- Tap the second **Action Arrow** to reveal concluding sentences.
- Ask another student to use the **Pen** to complete the sentences.

Teaching the Math

Ask: How can you solve the problem? **Possible answer:** I can compare 3 gallons and 350 fluid ounces by writing 3 gallons as fluid ounces.

Ask: Why do you change the larger unit, gallons, to a smaller unit, fluid ounces?
Possible answer: I need to compare the measurements using the same measurement unit. From the model, I know 1 gallon is 16 times as much as 1 cup and there are 8 fluid ounces in 1 cup. I can find how many fluid ounces are in 1 gallon by multiplying 16 cups \times 8 fluid ounces, which is 128 fluid ounces. Then I can relate gallons to fluid ounces using a table, so I can compare ounces to ounces.

Answer Key

Gallons	Fluid Ounces
1	128
2	256
3	384

1 gallon = 128 fluid ounces

2 gallons \times 128 = 256 fluid ounces

3 gallons \times 128 = 384 fluid ounces

350 fluid ounces < 384 fluid ounces

350 fluid ounces is less than 3 gallons.

So, Serena **does not have** enough mix to make 3 gallons of lemonade.