

Apple Cider Re-Engagement Activity

Name: _____

Date: _____ Period: _____

Original Question: Mr. Baker's class made 160 ounces of apple cider to pour into glasses that hold $8\frac{1}{4}$ ounces. How many glasses will be needed to hold all of apple cider? Explain how you know.

Your Task: Use the student work below to determine how each student approached the calculations necessary for finding how many glasses would be needed for the apple cider.

Student A: 19 glasses. I know because 160 divided by 8.25 is 19.39 repeating. I rounded down to 19 because that is the closest whole number to 19.39.

Student B: 20 glasses because $160/8.25=19.4$. I knew that this was a little more than 19 whole glasses, so I would need 20 glasses to hold all of the cider.

Student C: They will need 20 glasses. I divided 160 ounces of cider by 8 ounces per glass and I got 20 total glasses.

Your Task: After making sense of each student's thinking, who do you think used correct thinking in calculating the number of glasses needed for the apple cider?

I believe Student _____ correctly determined the number of glasses needed because

In the space below write **your** original response to this question (your teacher will provide it to you).

Lastly, write a revised version of your response in the space below. Think about how you can maybe correct a mistake you made in your original thinking or make your explanation more clear.
