

Linked Chains by Sasha

A strategy that I used to figure out a lot of equations for linked chains of 20, 24, and 27 is this. As I worked, I tried to figure out easier ways to do this challenge, I did the 27 link chain. First I would think of an “equation starter”. What an equation starter is, is something that I thought of where I write a multiple of equations with the same numbers in the beginning, and then just finish the equation. For example (these are some equation starters for 27) :

$$\underline{12/27 + 5/27}$$

$$12/27 + 5/27 + 2/27 + 8/27 = 1 \text{ or } 27/27$$

$$12/27 + 5/27 + 6/27 + 4/27 = 1 \text{ or } 27/27$$

$$12/27 + 5/27 + 3/27 + 4/27 + 3/27 = 1 \text{ or } 27$$

I would use this strategy to figure out a lot more linked chain equations in a more organized way.