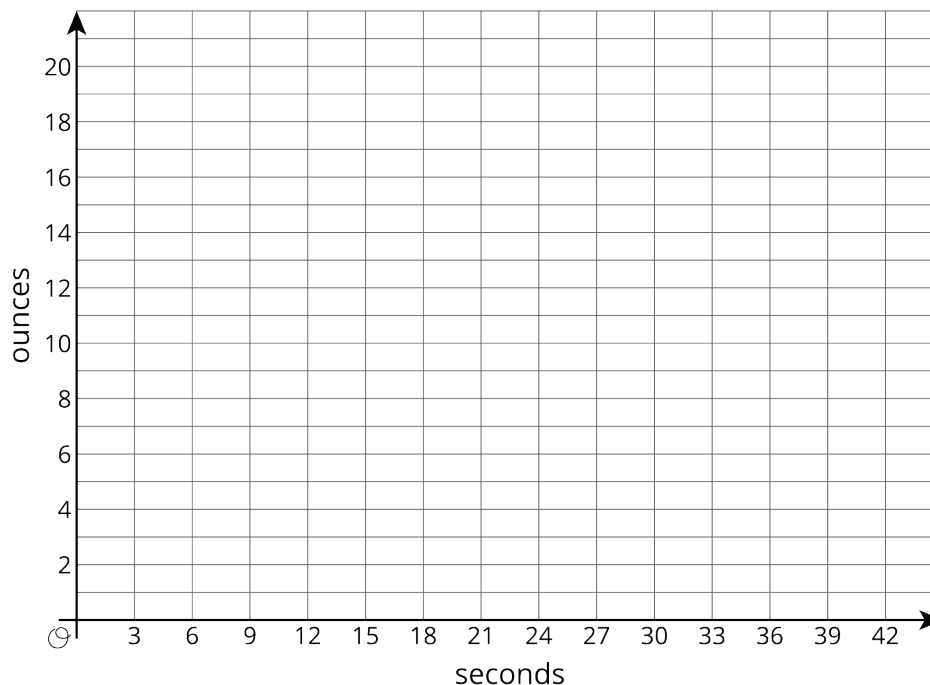


Lesson 12: Systems of Equations

Cool Down: Milkshakes, Revisited

Determined to finish her milkshake before Diego, Lin now drinks her 12 ounce milkshake at a rate of $\frac{1}{3}$ an ounce per second. Diego starts with his usual 20 ounce milkshake and drinks at the same rate as before, $\frac{2}{3}$ an ounce per second.

1. Graph this situation on the axes provided.



2. What does the graph tell you about the situation and how many solutions there are?