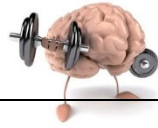


Workout



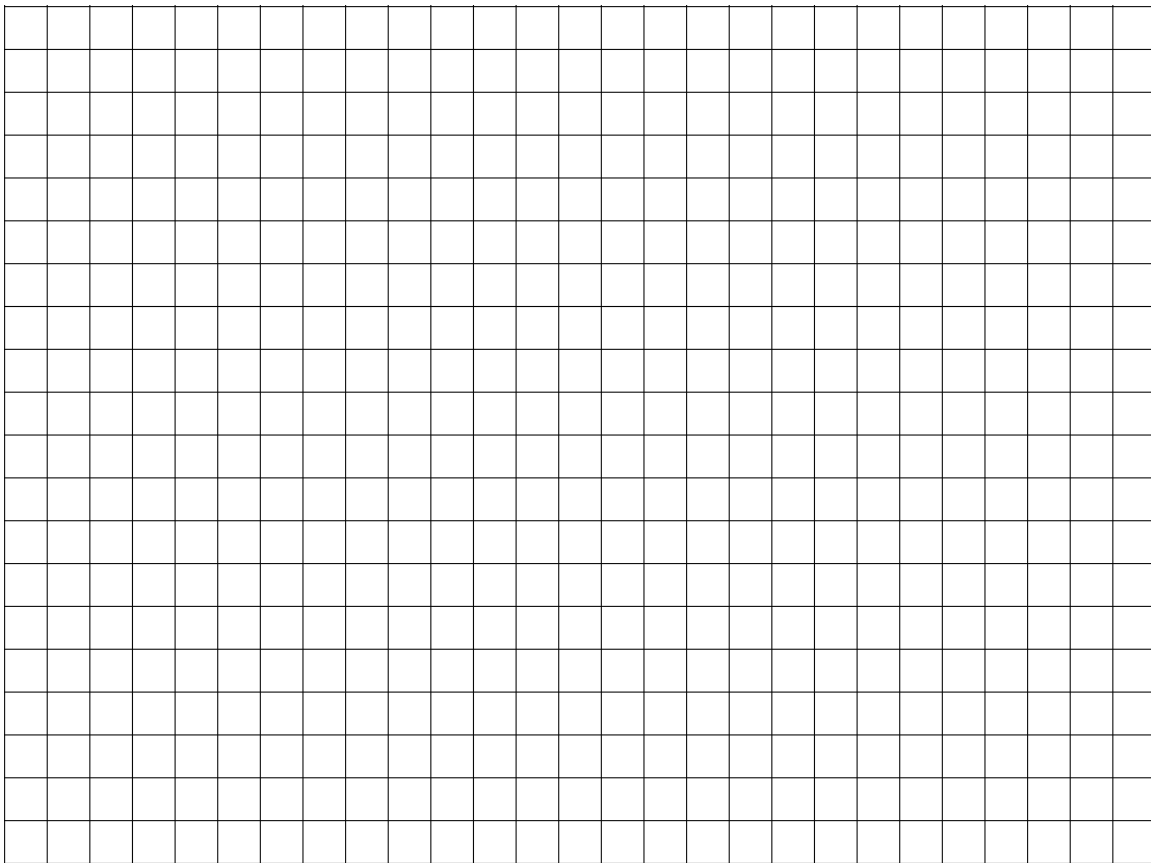
End of Vegas

Nevada and California are in the middle of a drought. Unless something changes, Las Vegas may soon run out of water. The lake that supplies 90% of the water for Las Vegas, Lake Mead, will be at a level so low by 2021 that it will not provide any water.

Facts:

- Las Vegas uses water at a rate of 219 gallons per person per day.
- Los Angeles uses water at a rate of 123 gallons per person per day.
- San Francisco uses water at a rate of 49 gallons per person per day

1. Sketch a line to represent each city's water use **per person per day** over time on the same graph below.



2. Explain how use of water per person per day in Las Vegas, Los Angeles, and San Francisco compare over time.

¹ **Inspiration for Task:** Inspiration for the End of Vegas task came primarily from the Lines and Linear Equations lesson developed by the Math Assessment Resource Services (MARS, 2012); see [link](#).

- Take out your End of Vegas cards to complete the workout. Match the graph, equation and picture cards for each city. **Attach** the graph, equation and picture card for **Los Angeles** to this worksheet.




- How can you **prove** that these are the correct representations for the water use in Los Angeles? In your answer, please explain what **specific information** from each representation connects it to the water use in Los Angeles.

Check Your Pulse

Compare your answers with a partner. Discuss where you agree or disagree.

- In a few words, explain what part(s) were difficult for you?

Circle the thumb that best describes how you are feeling:

?	I have lots of questions, I need help.		Almost got it, but need practice.		Got it. I can explain this to a classmate.	
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