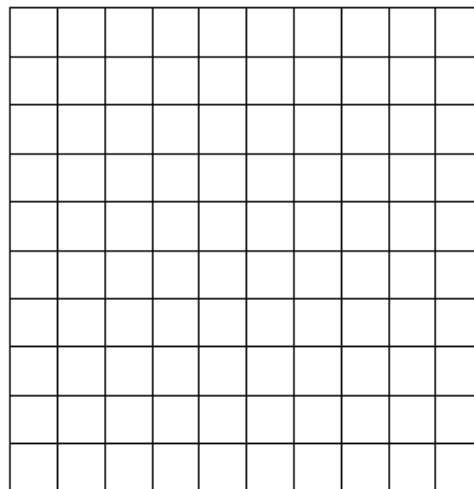
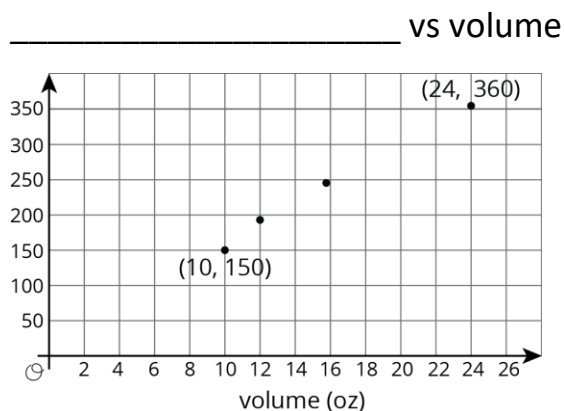
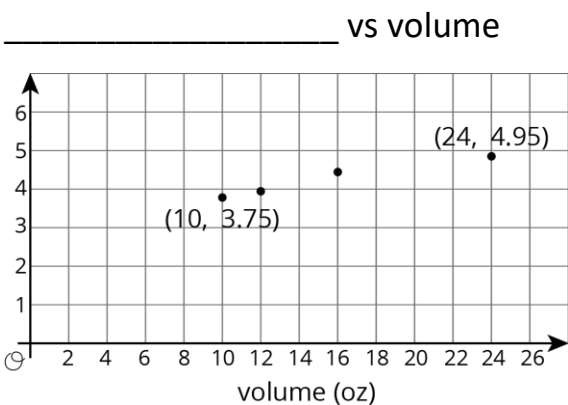


1. Lin and Andre biked home from school at a steady pace. Lin biked 1.5 km and it took her 5 minutes. Andre biked 2 km and it took him 8 minutes.

- A. Draw a graph with two lines that represent the bike rides of Lin and Andre.
- B. For each line, highlight the point with coordinates  $(1, k)$  and find  $k$ .
- C. Who was biking faster? **Justify** using the graph.



2. The graphs below show some data from a coffee shop menu. One of the graphs shows cost (in dollars) vs. drink volume (in ounces), and one of the graphs shows calories vs. drink volume (in ounces).



- A. Which graph is which? Give them the correct titles.
- B. Which quantities appear to be in a proportional relationship? **Justify** how you know.
- C. For the proportional relationship, find the constant of proportionality. What does that number mean?