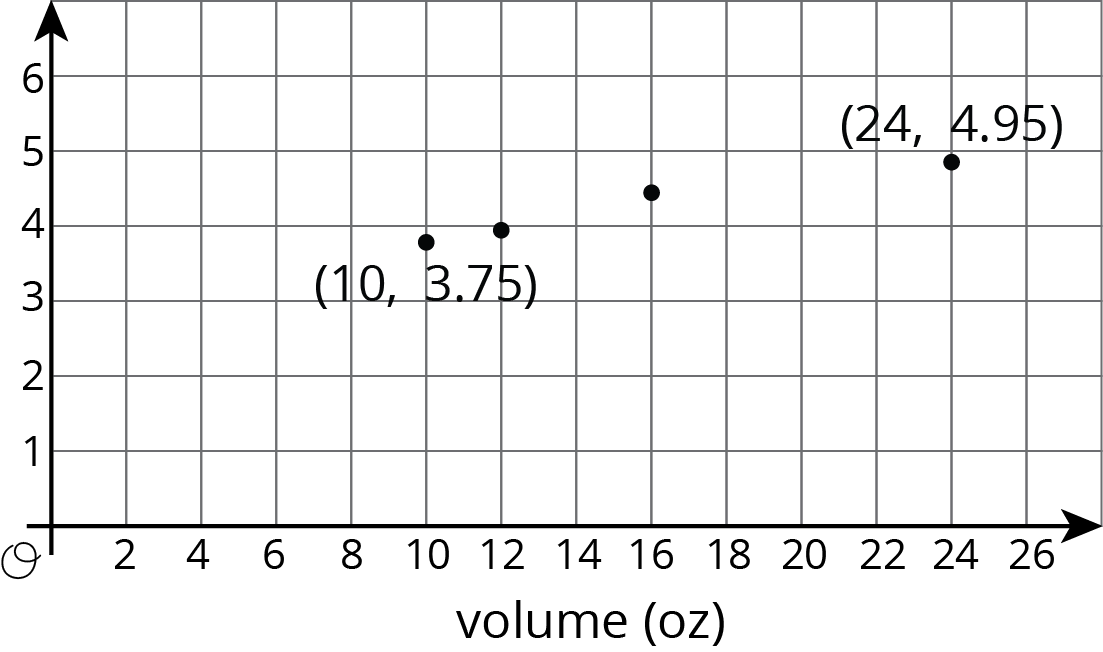
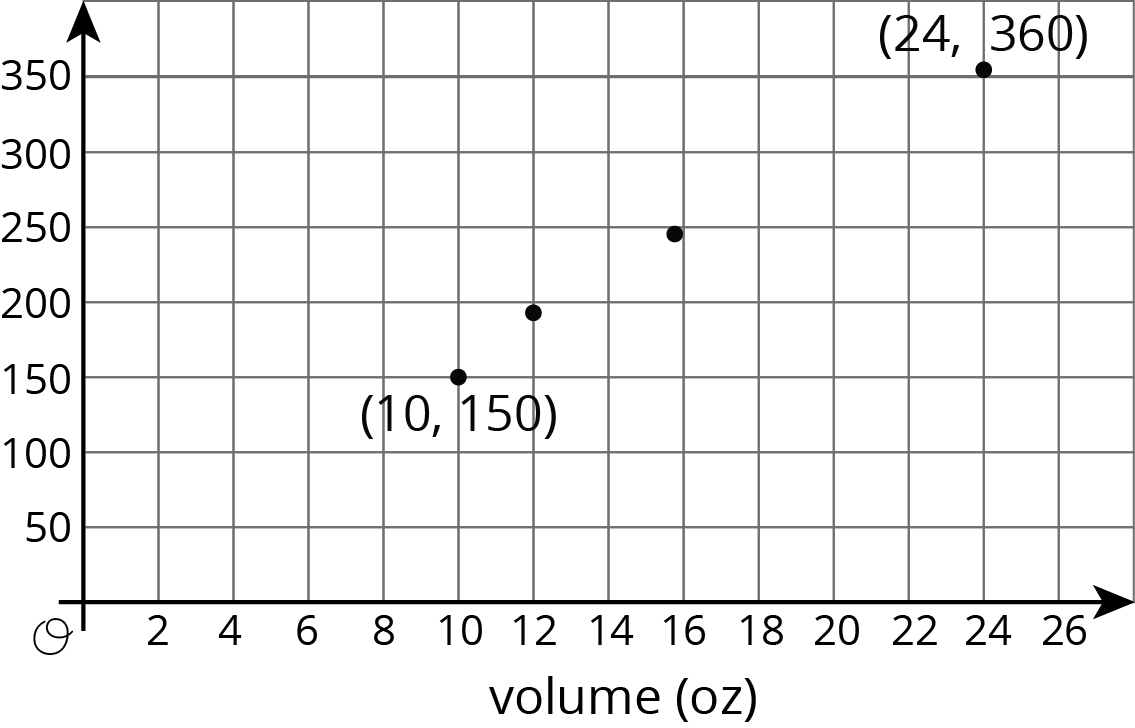
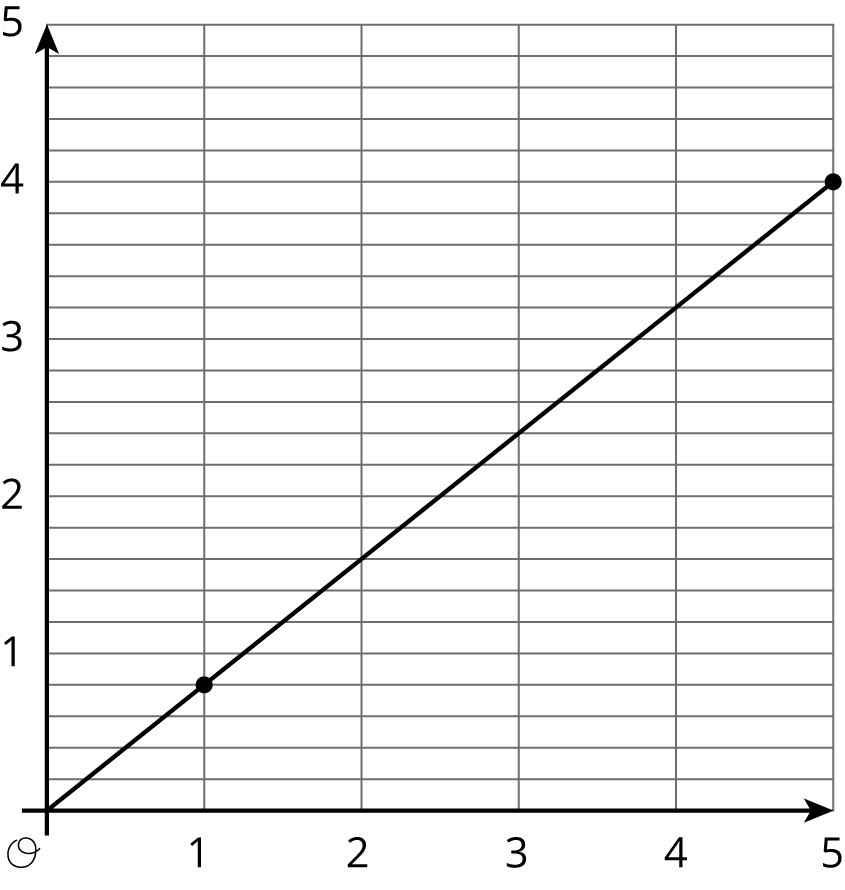
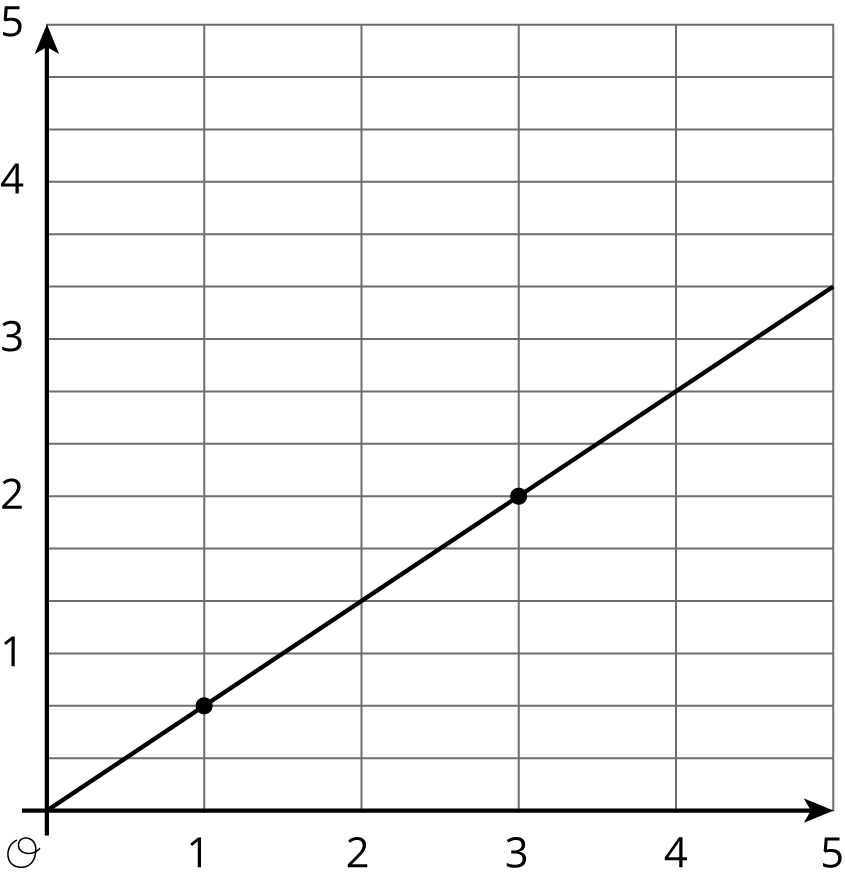
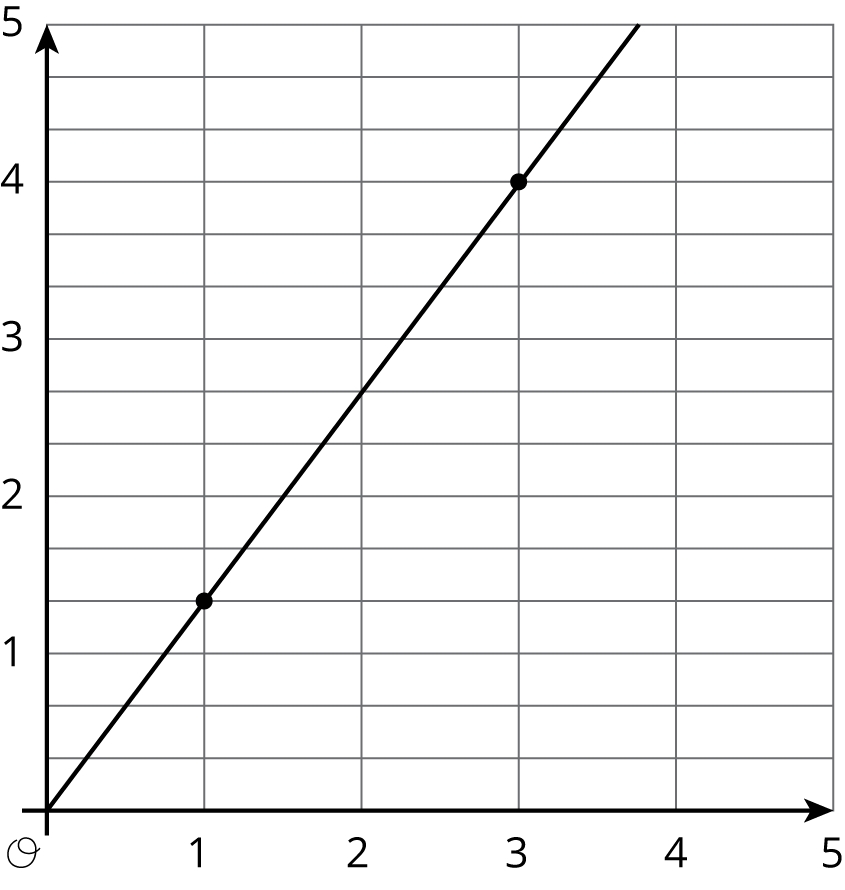
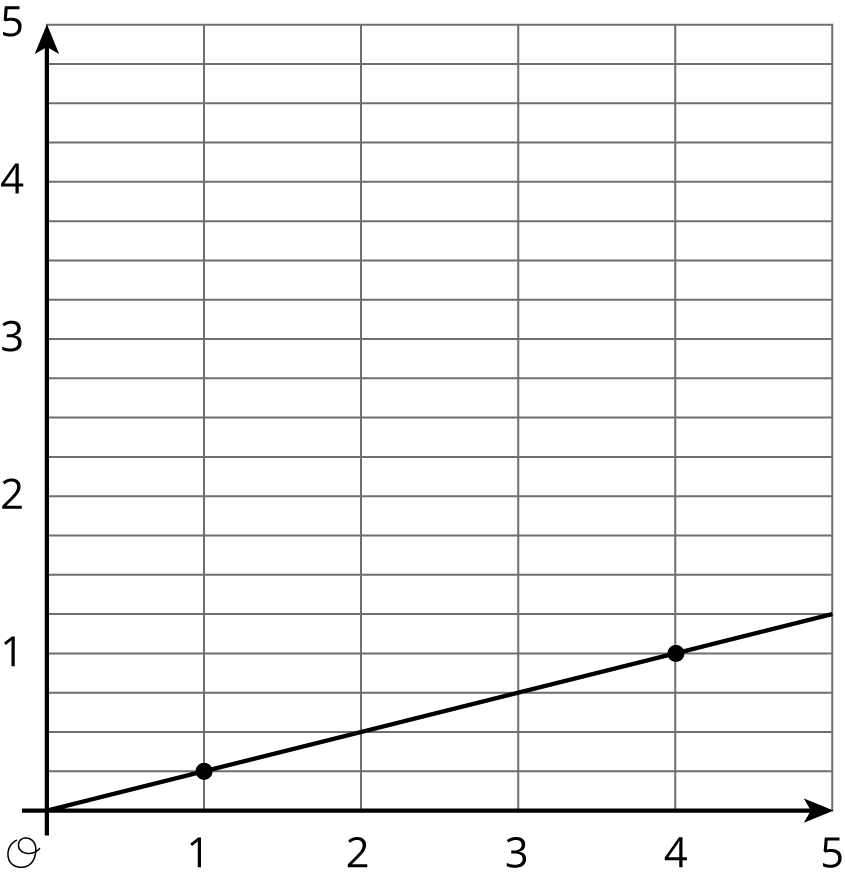
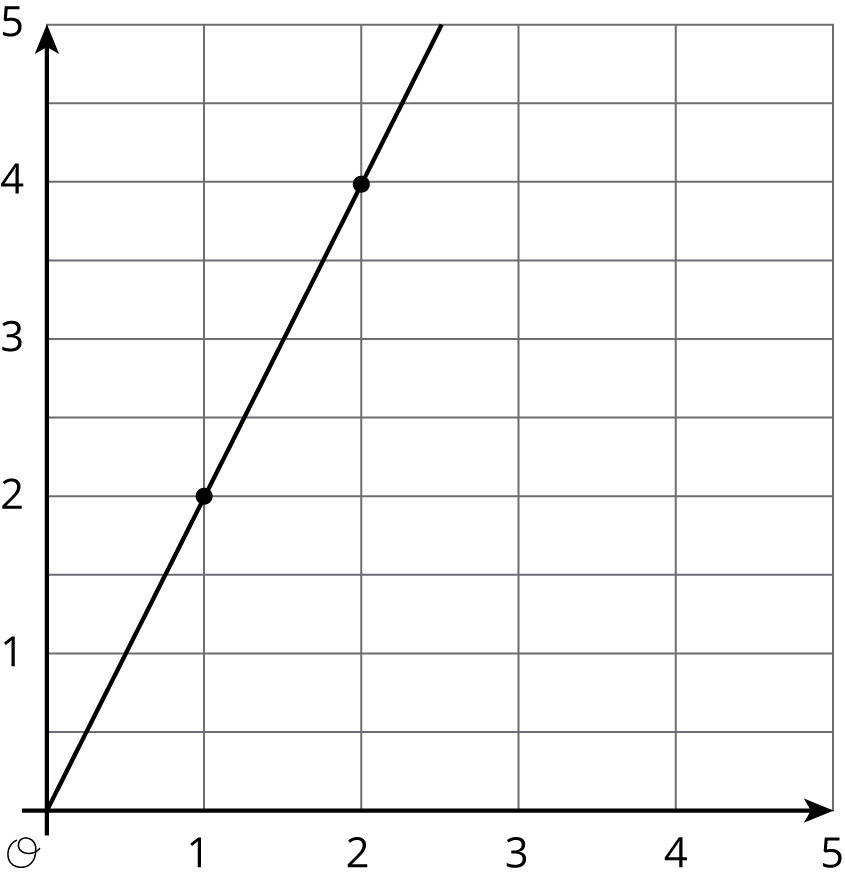
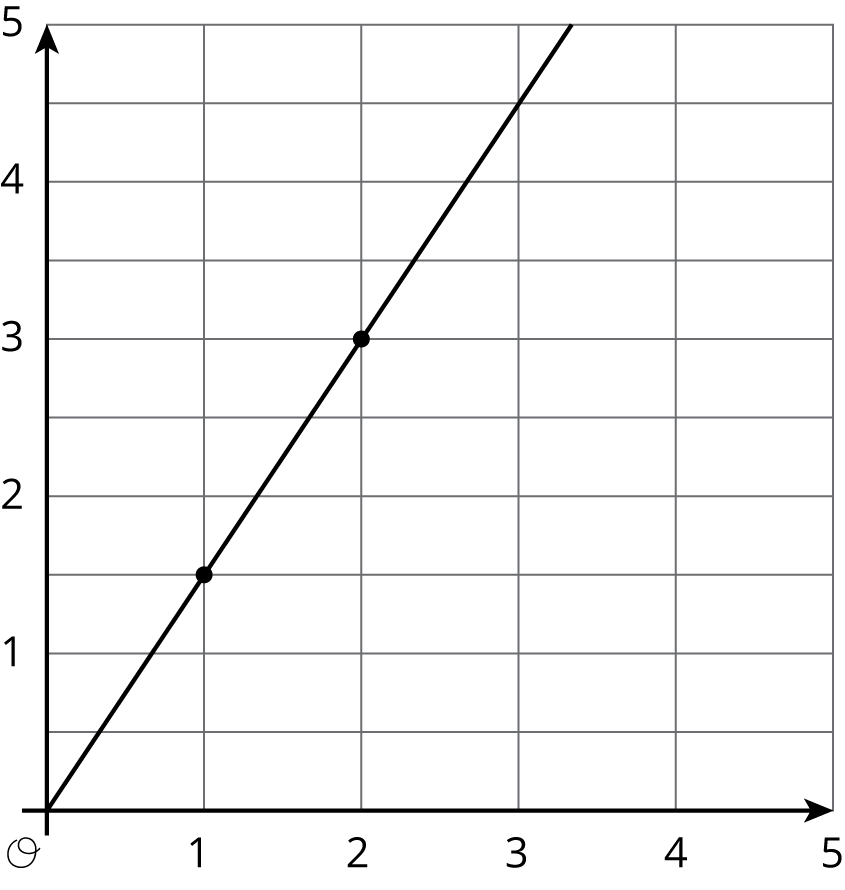
### Lesson 12 Practice Problems

1. 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).

* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ vs volume
* 
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ vs volume
* 
  1. Which graph is which? Give them the correct titles.
  2. Which quantities appear to be in a proportional relationship? Explain how you know.
  3. For the proportional relationship, find the constant of proportionality. What does that number mean?

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.
   1. Draw a graph with two lines that represent the bike rides of Lin and Andre.
   2. For each line, highlight the point with coordinates and find .
   3. Who was biking faster?
2. Match each equation to its graph.

* 1
* 
* 2
* 
* 3
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* 4
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* 5
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* 6
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