

## 7.RP.2 Buying Coffee

### 3. Buying Coffee

Coffee costs \$18.96 for 3 pounds.

- a. What is the cost per pound of coffee?
- b. Let  $x$  be the number of pounds of coffee and  $y$  be the total cost of  $x$  pounds. Draw a graph of the proportional relationship between the number of pounds of coffee and the total cost. (You will find a link for grid paper on the wiki).
- c. Where can you see the cost per pound of coffee in the graph? What is it?

Note to the teacher: This is a task where it would be appropriate for students to use technology such as a graphing calculator or GeoGebra, making it a good candidate for students to engage in Standard for Mathematical Practice **5 Use appropriate tools strategically**.