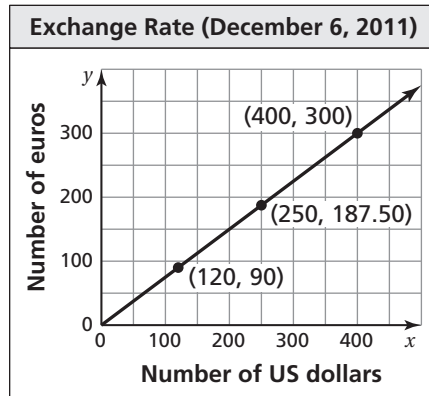


**CCSS
7.RP.2**

Currency Exchange Rates

The graph shows the relationship between the United States dollar and the euro.



1. Decide whether the relationship between the US dollar and the euro is proportional. Justify your answer in two ways.

2. What is the exchange rate?

1 US dollar = _____ euro

3. You have 400 euros. What is this amount in US dollars?

Common Core State Standard

- 7.RP.2** Recognize and represent proportional relationships between quantities.
- Decide whether two quantities are in a proportional relationship, e.g., by testing for equivalent ratios in a table or graphing on a coordinate plane and observing whether the graph is a straight line through the origin.
 - Identify the constant of proportionality (unit rate) in tables, graphs, equations, diagrams, and verbal descriptions of proportional relationships.
 - Represent proportional relationships by equations.
 - Explain what a point (x, y) on the graph of a proportional relationship means in terms of the situation, with special attention to the points $(0, 0)$ and $(1, r)$ where r is the unit rate.

Grading Rubric

Answers	Score
1. Student presents two valid ways to show that the relationship is proportional, such as using slope and equivalent ratios.	2
2. 1 US dollar = 0.75 euro	1
3. 400 euro = 533.33 US dollars	1
Precision	
1. Student uses precise mathematical language when justifying the answer.	2
2. Student demonstrates the application of proportional relationships by showing correct reasoning and calculations.	2
3. Student shows understanding of proportional reasoning by applying knowledge from Exercise 2 to a new situation.	2
Total Points	10