



Graphing Proportional Relationships

Today's Standard

7.RP.A2d - 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.

Cues	Notes
What is a proportional relationship?	A proportional relationship is a relationship where two quantities increase or decrease at the same rate.
What does the point $(0, 0)$ represent?	$(0, 0)$ represents the origin where both quantities are zero.
What does the point $(1, r)$ represent?	$(1, r)$ represents the unit rate, where one unit of the first quantity corresponds to r units of the second quantity.
How do you find the unit rate?	The unit rate is found by dividing the second quantity by the first quantity.
Why are $(0, 0)$ and $(1, r)$ important?	$(0, 0)$ and $(1, r)$ are important because they help identify the proportional relationship and the unit rate on a graph.

Summary

Understanding the points $(0, 0)$ and $(1, r)$ on a graph helps in interpreting proportional relationships and identifying the unit rate.