Interpret Points on Proportional Graphs Using Unit-Rate Reasoning

Worked example / complete source key

A graph shows distance in meters on the y-axis and time in seconds on the x-axis. A marked point is (6, 18). Find the unit rate and explain what the point means.

Answer: The unit rate is 18 ÷ 6 = 3 meters per second. The point (6, 18) means that in 6 seconds, the object travels 18 meters. Because the unit rate is 3 meters per second, 3 × 6 = 18, which confirms the point.