GRADE 7 MATH · HOMEWORK

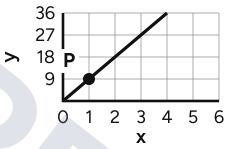
Interpret the Graph of a Proportional Relationship

SCORE / 25

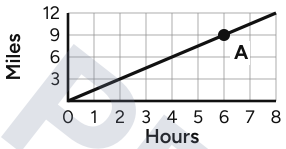
01 Part A · Practice

On a proportional graph, any point (x, y) gives $k = \frac{y}{x}$; the point $(1, k)$ shows the unit rate.

1 ●○○ The graph shows a proportional relationship. Use point P to find the constant of proportionality.

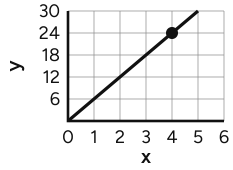


2 ●○○ The graph shows hours and distance. What does point A mean? What is the unit rate?



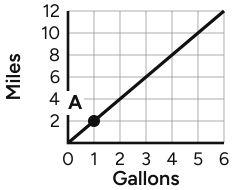
3 ●○○ A proportional graph passes through $(2, 18)$. Complete the points $(6, \square)$ and $(\square, 72)$.

4 ●○○ Write an equation for the proportional relationship shown in the graph.



5 ●○○ The graph of a proportional relationship passes through $(4, 10)$. Find k, write the equation, and name the point with $x = 1$.

6 ●○○ The graph shows gallons and distance. What does point A mean? What is the unit rate?



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Preview - the full worksheet and its answer key are at primeworksheet.com