GRADE 7 MATH · HOMEWORK

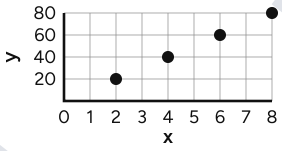
Graph to Recognize a Proportional Relationship

SCORE / 25

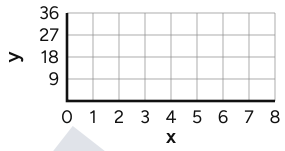
01 Part A · Practice

The graph of a proportional relationship is a straight line that passes through the origin (0, 0).

1 ●○○ Is the graph proportional? Explain.



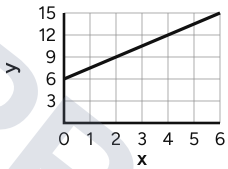
2 ●○○ Graph (2, 9), (4, 18), (6, 27), (8, 36). Is the relationship proportional?



3 ●○○ Without graphing: do (1, 8), (3, 12), (4, 14), (8, 22) form a proportional graph?

4 ●○○ A proportional graph goes through (2, 25). Is (4, 49) on the same line? Explain.

5 ●○○ Does the line show a proportional relationship? Explain.



6 ●○○ Will the graph of $y = 10.5x - 7$ be a straight line through the origin? Is it proportional?

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