GRADE 7 MATH · CLASSWORK · ADVANCED

Graph to Recognize a Proportional Relationship

SCORE / 25

01 Part A · Practice

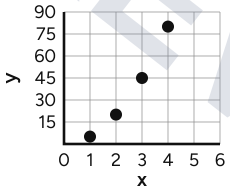
The graph of a proportional relationship is a straight line that passes through the origin (0, 0).

EXAMPLE

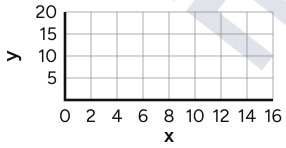
Is it proportional? (1, 3), (2, 6), (4, 12)

1. Plot the points.
2. They line up on a straight line.
3. The line passes through (0, 0), so it is proportional.

1 ●○○ Is the graph proportional? Explain.

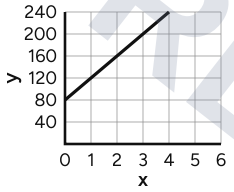


2 ●○○ Graph (4, 5), (8, 10), (12, 15), (16, 20). Is the relationship proportional?



3 ●○○ A proportional graph goes through (6, 21). Is (8, 28) on the same line? Explain.

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



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