GRADE 7 MATH · CLASSWORK

Graph to Recognize a Proportional Relationship

SCORE / 25

01 Part A · Practice

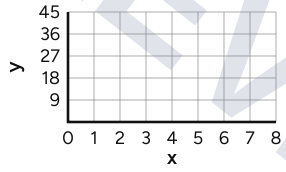
The graph of a proportional relationship is a straight line that passes through the origin (0, 0).

EXAMPLE

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

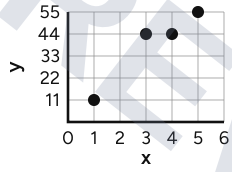
1. Plot the points.
2. They line up on a straight line.
3. The line passes through (0, 0), so it is proportional.

1 ●○○ Graph (2, 18), (4, 27), (6, 36), (8, 45). Is the relationship proportional?



2 ●○○ A proportional graph goes through (4, 10). Is (8, 22) on the same line? Explain.

3 ●○○ Is the graph proportional? Explain.



4 ●○○ Without graphing: do (3, 27), (4, 36), (5, 45), (7, 63) form a proportional graph?

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