Lesson 4.2 Testing Proportional Relationships

Relationships are proportional if they indicate the relationship between values stays constant. Graphing values can help determine if the relationship is proportional.
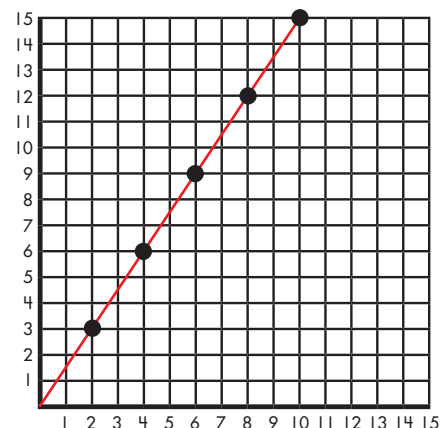
x	2	4	6	8	10
y	3	6	9	12	15

Step 1: Graph each point on a grid.
Step 2: Connect the points.
Step 3: Decide if the line is straight or not.

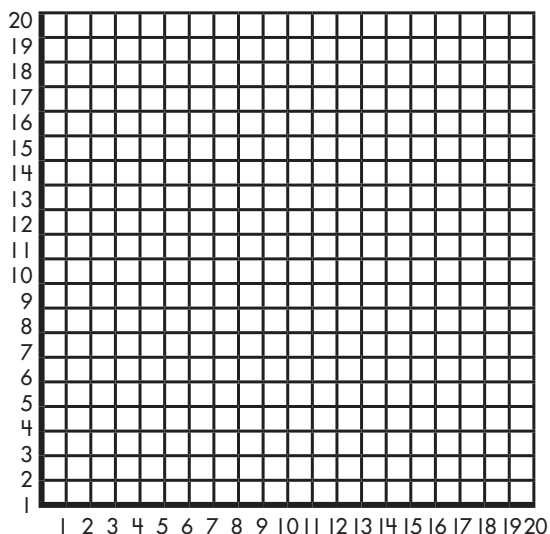If the line connecting points on a grid is straight, the relationship between the quantities is proportional.

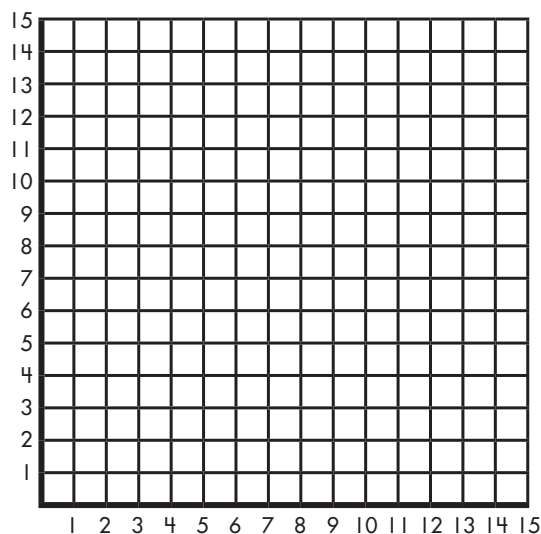Graph the points to determine if the relationship in the table is proportional.

a

1.

x	7.5	10	17.5	20
y	4.5	6	10.5	12

Proportional? _____

b

x	2	4	5	7
y	1	3	2.5	3.5

Proportional? _____