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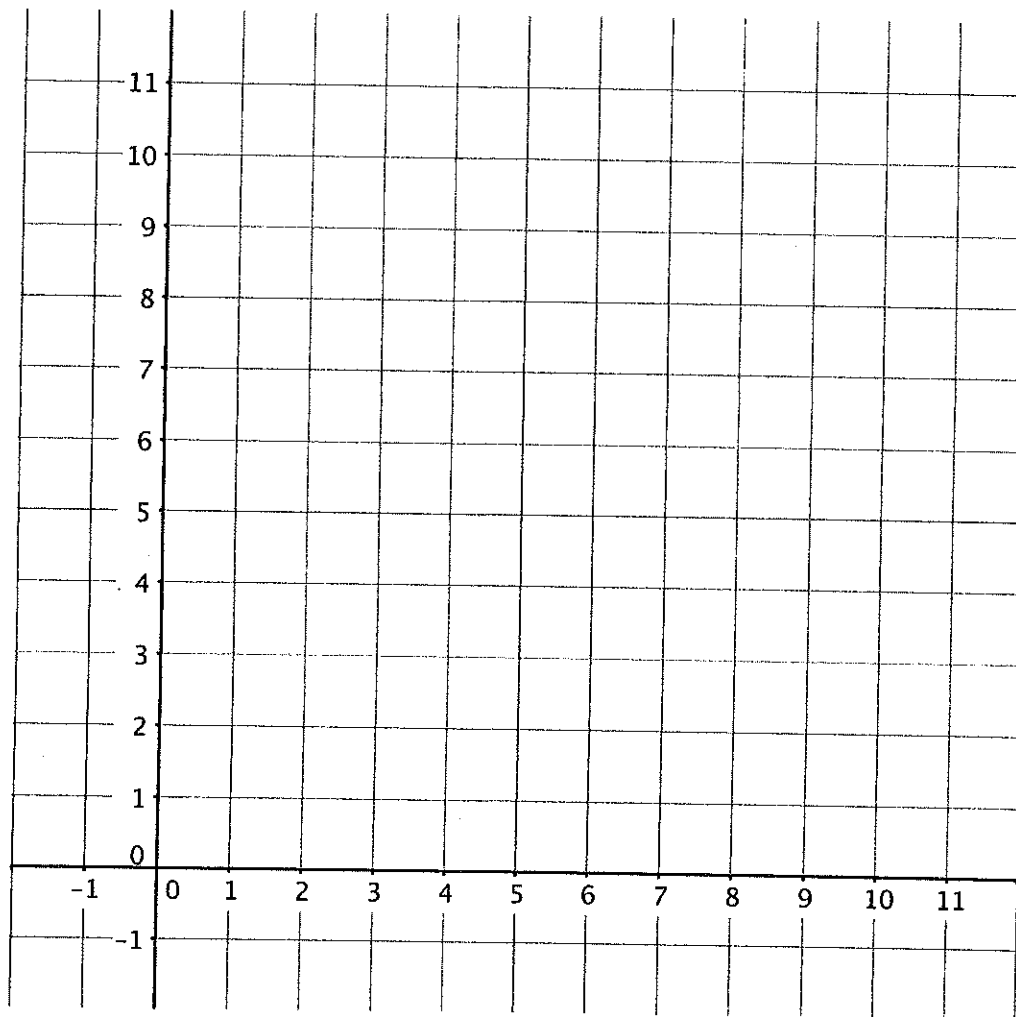
Unit 2, Lesson 10: Introducing Graphs of Proportional Relationships

Let's see how graphs of proportional relationships differ from graphs of other relationships.

10.1: Notice These Points

m.openup.org/1/7-2-10-1

- Plot the points $(0, 10)$, $(1, 8)$, $(2, 6)$, $(3, 4)$, $(4, 2)$.



- What do you notice about the graph?

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10.2: T-shirts for Sale

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Some T-shirts cost \$8 each.

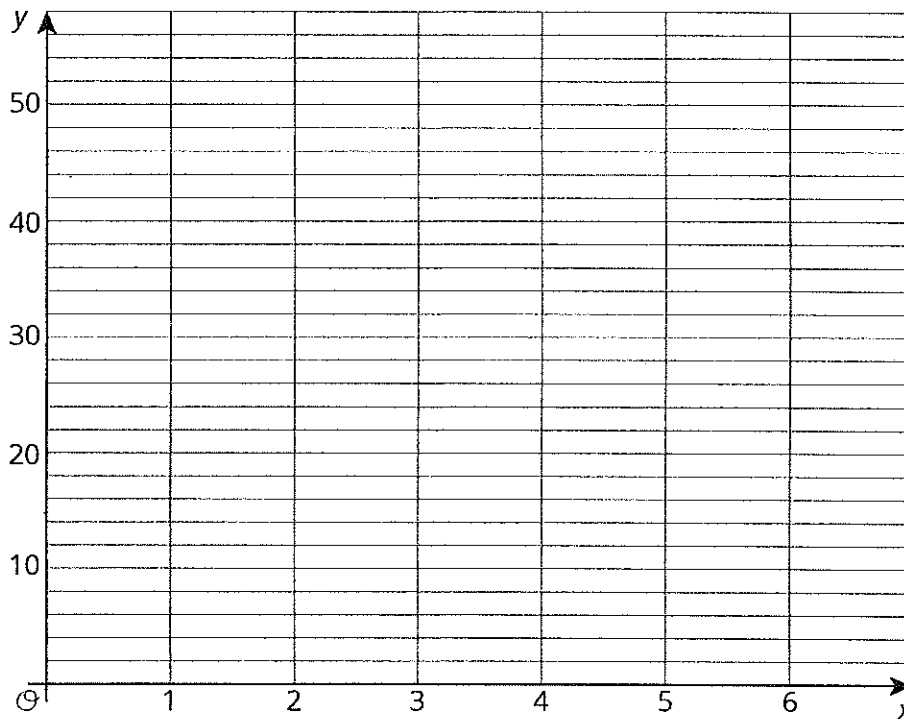


1. Use the table to answer these questions.

- a. What does x represent?
- b. What does y represent?
- c. Is there a proportional relationship between x and y ?

x	y
1	8
2	16
3	24
4	32
5	40
6	48

2. Plot the pairs in the table on the coordinate plane.



3. What do you notice about the graph?

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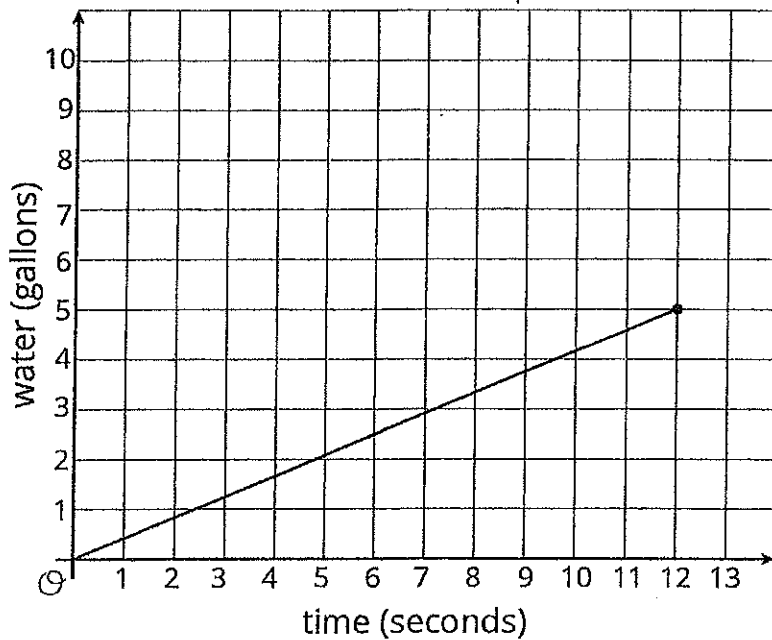
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Unit 2, Lesson 11: Interpreting Graphs of Proportional Relationships

Water runs from a hose into a bucket at a steady rate. The amount of water in the bucket for the time it is being filled is shown in the graph.



1. The point (12, 5) is on the graph. What do the coordinates tell you about the water in the bucket?

2. How many gallons of water were in the bucket after 1 second? Label the point on the graph that shows this information.

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Unit 2, Lesson 10: Introducing Graphs of Proportional Relationships

Which graphs cannot represent a proportional relationship? Select **all** that apply. Explain how you know.

