

Module 5 Lesson 1

Try This1 – 4 Possible Solutions

TT 1. In both Table A and Table B, each x-value is increasing by 2. This is constant throughout the table.

TT 2. In Table A, each y-value is increasing by 10. This is constant throughout. In Table B, however, the increase in the y-values is inconsistent—initially increasing by 2, then by 4, and then by 8.

TT 3. The ordered pairs are as follows:

Table A: (0, 10), (2, 20), (4, 30), (6, 40)

Table B: (0, 2), (2, 4), (4, 8), (6, 16)

TT 4. The slope formulas for Table A and Table B are as follows:

Table A

$m = \frac{y_2 - y_1}{x_2 - x_1}$ $= \frac{20 - 10}{2 - 0}$ $= \frac{10}{2}$ $= 5$	$m = \frac{y_2 - y_1}{x_2 - x_1}$ $= \frac{30 - 20}{4 - 2}$ $= \frac{10}{2}$ $= 5$
--	--

Table B

$m = \frac{y_2 - y_1}{x_2 - x_1}$ $= \frac{4 - 2}{2 - 0}$ $= \frac{2}{2}$ $= 1$	$m = \frac{y_2 - y_1}{x_2 - x_1}$ $= \frac{8 - 4}{4 - 2}$ $= \frac{4}{2}$ $= 2$ $\neq 1$
---	--

In Table A, the slopes are the same for different pairs of points, whereas this is not the case in Table B.