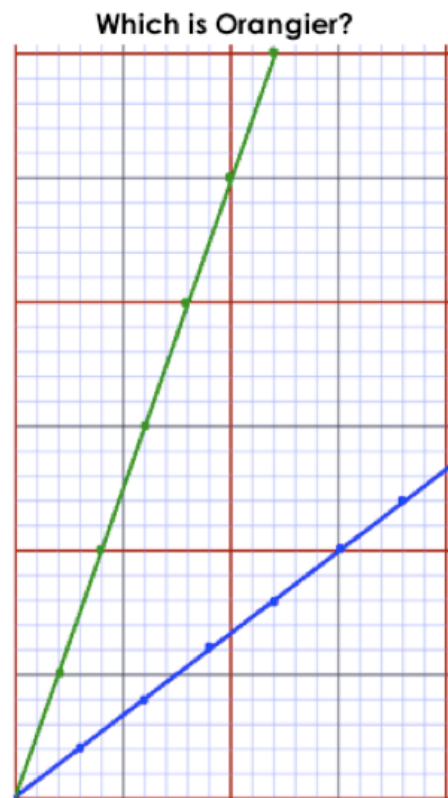


DOUBLE NUMBER LINES SCENARIOS

- For every three days, the plant grows 2 inches. Model this situation several ways.
- A store was selling 8 mangoes for \$10. Create a double number line and demonstrate how to find two unit rates.
- The temple at the top of the pyramid is approximately 24 meters above the ground, and there are 91 steps leading up to the temple. How high above the ground would you be if you were standing on the 50th step? Use a double number line to demonstrate your answer.
- If a snail travels 3 inches in 8 minutes, how far will it travel in 1 minute? How far will this snail travel in 20 minutes if it continues at the same rate of speed?

PROPORTIONAL GRAPH SCENARIOS

- Interpret this graph. A solution is created from orange concentrate and water. (water – vertical axis; concentrate – horizontal axis). Which solution is orangier?



Graph/Table graph sorting activity can be found in:

Collins, Anne, and Linda Dacey. 2013. *It's All Relative: Key Ideas and Common Misconceptions about Ratio and Proportion, Grades 6-7*. Stenhouse Publishers.

Other concepts, ideas can be found in:

Lobato, Joanne, and Amy Ellis. 2010. *Developing Essential Understanding of Ratios, Proportions, and Proportional Reasoning for Teaching Mathematics, Grades 6-8*. NCTM.