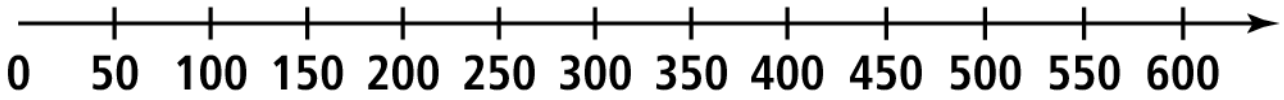
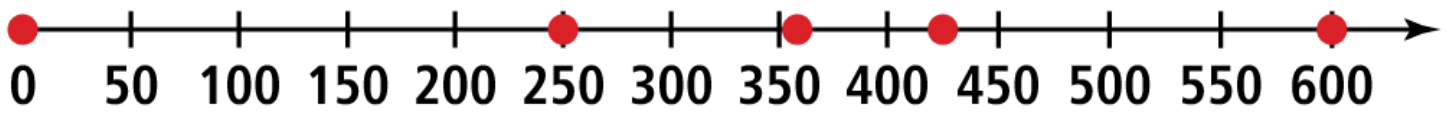
Slow Reveal Graphs (slide 1 of 4)

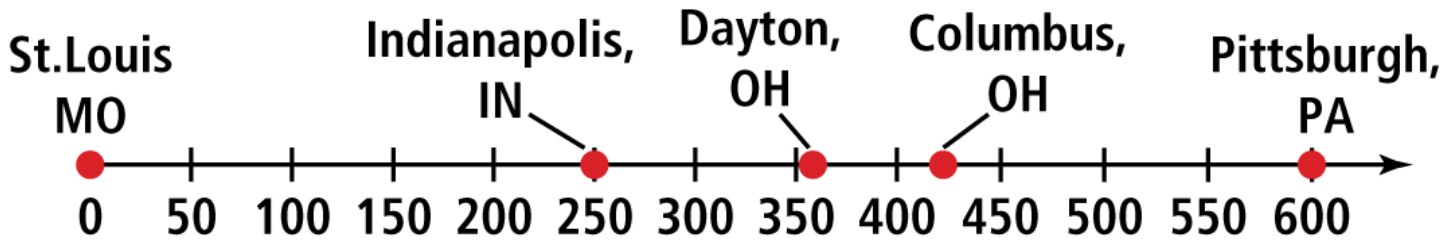
Slow Reveal Graphs (slide 2 of 4)



Slow Reveal Graphs (slide 3 of 4)



Slow Reveal Graphs (slide 4 of 4)



Slow Reveal Graph – Teacher Notes

Present each of the graphs to students one at a time, providing time to discuss each graph with a partner. As each graph is presented, ask students what the graph could represent. When the last graph is presented, ask what units are shown on the number line and what the placement of the dots means. Elicit that the graph could be used to show the distances between cities that are shown.

Equation Detective

Anastasia found the midpoint of points (4, 3) and (20, 17) to be (12, 10).

Is she correct? Why or why not?

Equation Detective – Teacher Notes

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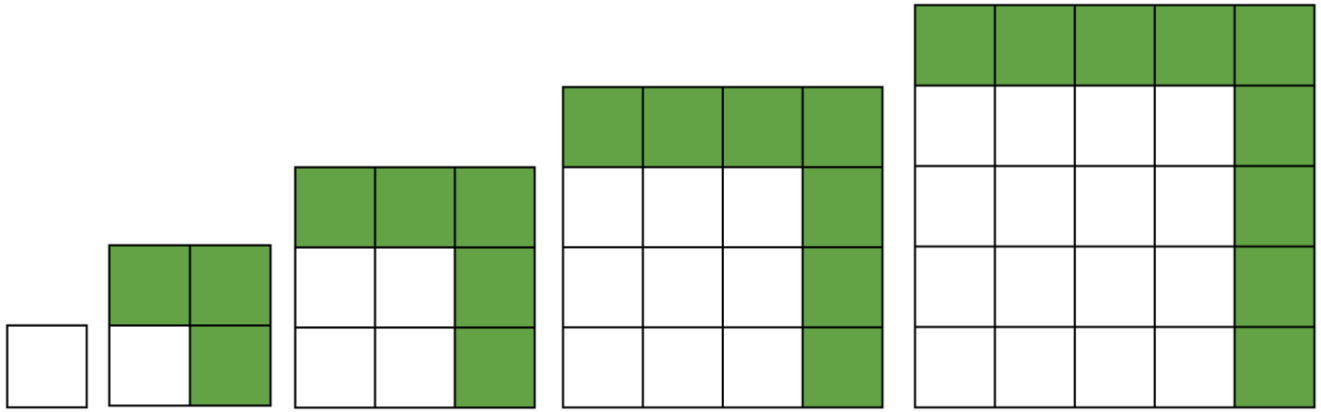
Is she correct? Why or why not?

Find the Rule

What do all of the figures have in common? How does each figure relate to the figure before?



Find the Rule – Teacher Notes

Give students time to examine the illustration. Elicit that each of the figures shows a perfect square integer: 1 x 1, 2 x 2, 3 x 3, and so on. Draw attention to the row and column of green squares in each figure. Elicit that the number of green squares is the difference between each figure and the next. Ask what pattern is shown by the numbers of green squares as the figures get larger. Ask how many green squares there would be if the pattern continued with a 6 x 6 square.

Which One Doesn't Belong?

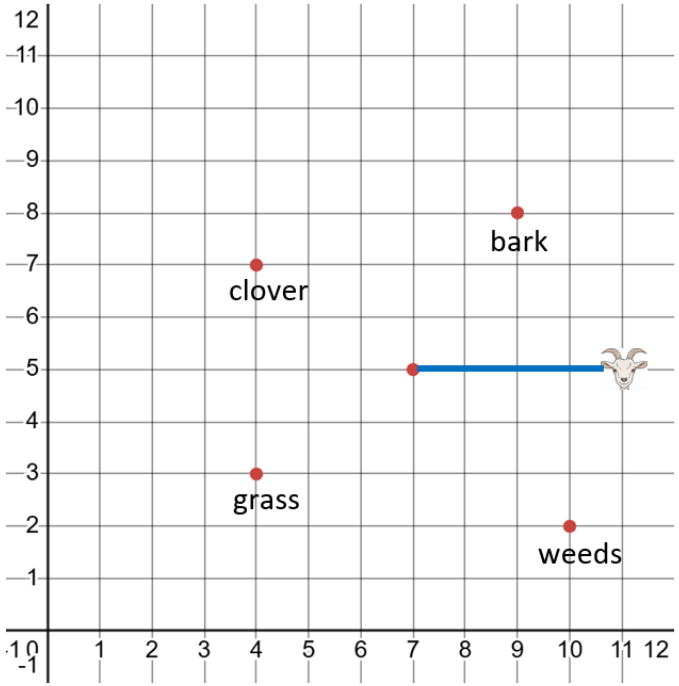
Read the sentences below. Decide if each sentence is true. If not, find a counterexample.

A. If this month is February, then this month has 28 days.	B. If this month is not February, then this month does not have 28 days.
C. If this month does not have 28 days, then this month is not February.	D. If this months is February, then this month does not have 28 days.

Which One Doesn't Belong? – Teacher Notes

Give students time to read the sentences and consider whether they are true. Ask them to write the letters A, B, C, and D, followed by a T or F to indicate true or false. Ask students if each statement is true. If not, ask them to provide a counterexample. Finally, ask which statement does not belong with the others.

Every Picture Tells a Story



Each unit square is a square yard. The goat is tethered to a tree at (7, 5) by a rope 4 yards long. Which of the things around him can he NOT eat? How do you know?

Every Picture Tells a Story - Teacher Notes

Give students time to look over the graph. Ask, “How can you find out which items the goat can eat?” Divide the class into 4 teams; assign one item to each team and ask them to report on whether the goat will be able to eat it.