

Lesson 24: Solutions to Systems of Linear Inequalities in Two Variables

Cool Down: Oh Good, Another Riddle

Here is another riddle:

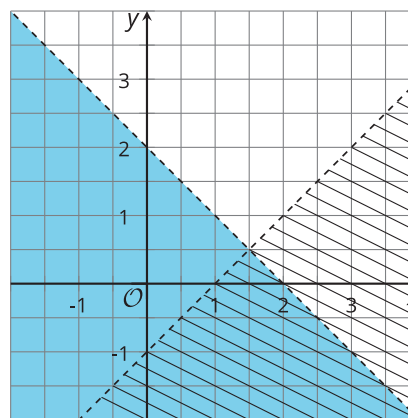
- The sum of two numbers is less than 2.
- If we subtract the second number from the first, the difference is greater than 1.

What are the two numbers?

1. The riddle can be represented by a system of inequalities. Write an inequality for each statement.

2. These graphs represent the inequalities in the system.

Which graph represents which inequality?



3. Name a possible solution to the riddle. Explain or show how you know.