

Number Lines

Graphing on a Braille Number Line

Review Activity

Graph each set of numbers on a new number line, and number your answers. [There is a braille answer document "NL-Review-Activity-A-Answers.brf" that can be used to independently check answers.]

1. -100, -50, 0, 50
2. -.5, 0, .5, 1.5
3. negative one-half, zero, one and one-half

$$-\frac{1}{2}, 0, 1\frac{1}{2}$$

Graph each inequality on a new number line. Number your answers and include the original problem.

4. x is greater than negative 3.

$x > -3$

5. x is greater than or equal to 1.

$$x \geq 1$$

6. x is less than 3.

$x < 3$

7. x is less than or equal to negative 1.

$$x \leq -1$$

Graph each compound inequality on a new number line. Number your answers and include the original problem.

8. Negative one is less than x is less than or equal to 4.

$$-1 < x \leq 4$$

9. Negative 2 is less than or equal to x is less than or equal to 3.

$$-2 \leq x \leq 3$$

10. x is less than negative 1 or x is greater than or equal to 2.

$$x < -1 \text{ or } x \geq 2$$

The figure shows a sequence of 10 diagrams, each representing a 4x4 grid of dots. The dots are arranged in a pattern that evolves over time. The first diagram shows a sparse arrangement of dots, while the subsequent diagrams show a more dense arrangement, with some dots appearing in the center of the grid. The pattern of dots is symmetric and appears to be a fractal-like structure.