

# Number Lines Lesson 3

## Graphing Inequalities

### Less Than Graphing Activity

Graph each inequality on a new number line. Number your answers and include the original problem. Notice that they all involve the symbol for less than ( $<$ ) or the symbol for less than or equal to ( $\leq$ ). Therefore, you will need to begin each number line with two left-pointing arrowheads (or a bold left-pointing arrowhead). [There is a braille answer document "L3-NL-LT-Activity-A-Answers.brf" that can be used to independently check answers.]

1.  $x$  is less than 4.

$$x < 4$$

⠠⠭ ⠨⠤ ⠠⠼ ⠠⠴

2.  $x$  is less than or equal to 4.

$$x \leq 4$$

⠠⠭ ⠨⠤ ⠠⠼ ⠠⠴ ⠠⠶

3.  $x$  is less than 0.

$$x < 0$$

⠠⠭ ⠨⠤ ⠠⠼ ⠠⠵

4.  $x$  is less than or equal to 30.

$$x \leq 30$$

⠠⠭ ⠨⠤ ⠠⠼ ⠠⠵ ⠠⠴ ⠠⠶

5.  $x$  is less than negative 2.

$$x < -2$$

⠠⠭ ⠨⠤ ⠠⠼ ⠠⠵ ⠠⠴ ⠠⠶

