

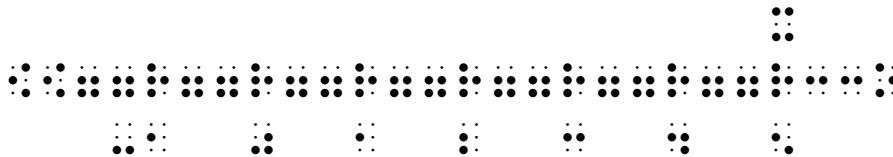
Number Lines Lesson 3

Graphing Inequalities

Less Than Interpreting Activity Answer Key

Emboss the "L3-NL-LT-Activity-B.brf" file. Insert these sheets into your braillewriter and label the inequality graphed on each number line just to the right of the problem number. [There is a braille answer document "L3-NL-LT-Activity-B-Answers.brf" that can be used to independently check answers.]

1. A braille number line is shown. The scale marks are in increments of 1 starting with -1 and ending with 5, and an additional left-pointing arrowhead is added. An open circle is placed above the scale mark at 5 and shading goes from just to the right of the 2nd left-pointing arrowhead to just to the left of 5.



Answer:

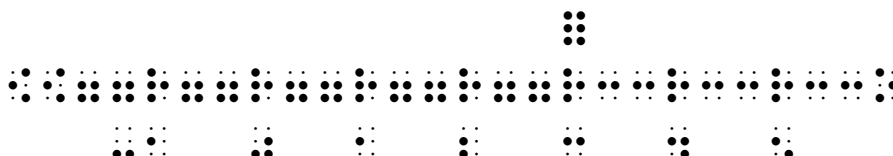
1. x is less than 5.

$x < 5$



2. A braille number line is shown. The scale marks are in increments of 1 starting with -1 and ending with 5, and an additional left-pointing arrowhead is added. A closed circle is placed above the scale mark at 3 and shading goes from just to the right of the 2nd left-pointing arrowhead to just to the left of 3.

⠠⠠⠠⠠⠠⠠



Answer:

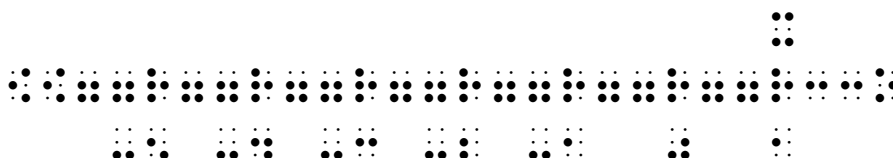
2. x is less than or equal to 3.

$$x \leq 3$$

⠠⠠⠠⠠⠠⠠ ⠠⠠ ⠠⠠⠠⠠⠠⠠ ⠠⠠⠠

3. A braille number line is shown. The scale marks are in increments of 1 starting with -5 and ending with 1, and an additional left-pointing arrowhead is added. An open circle is placed above the scale mark at 1 and shading goes from just to the right of the 2nd left-pointing arrowhead to just to the left of 1.

⠠⠠⠠⠠⠠⠠



Answer:

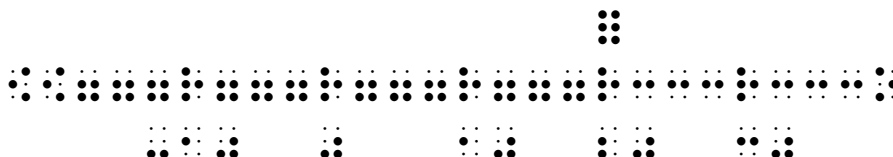
3. x is less than 1.

$$x < 1$$

⠠⠠⠠⠠⠠⠠ ⠠⠠ ⠠⠠⠠⠠⠠⠠ ⠠⠠⠠

4. A braille number line is shown. The scale marks are in increments of 10 starting with -10 and ending with 30, and an additional left-pointing arrowhead is added. A closed circle is placed above the scale mark at 20 and shading goes from just to the right of the 2nd left-pointing arrowhead to just to the left of 20.

⠠⠠⠠⠠⠠⠠



Answer:

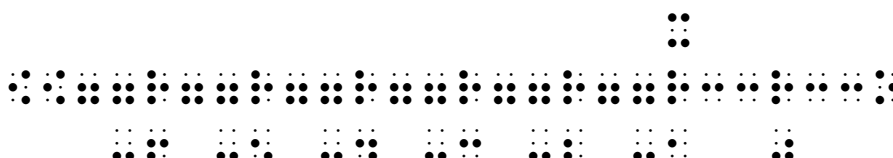
4. x is less than or equal to 20.

$$x \leq 20$$

⠠⠠⠠⠠⠠⠠ ⠠⠠ ⠠⠠⠠⠠⠠⠠ ⠠⠠⠠⠠⠠⠠

5. A braille number line is shown. The scale marks are in increments of 1 starting with -6 and ending with 0, and an additional left-pointing arrowhead is added. An open circle is placed above the scale mark at -1 and shading goes from just to the right of the 2nd left-pointing arrowhead to just to the left of -1.

⠠⠠⠠⠠⠠⠠ ⠠⠠ ⠠⠠⠠⠠⠠⠠ ⠠⠠⠠⠠⠠⠠



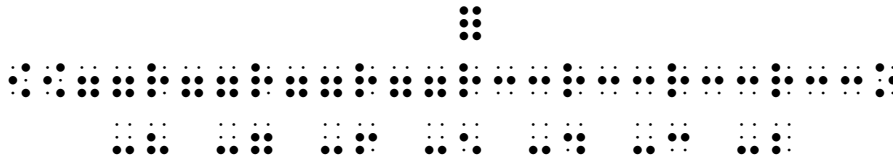
Answer:

5. x is less than negative 1.

$$x < -1$$

⠠⠠⠠⠠⠠⠠ ⠠⠠ ⠠⠠⠠⠠⠠⠠ ⠠⠠⠠⠠⠠⠠

6. A braille number line is shown. The scale marks are in increments of 1 starting with -8 and ending with -2, and an additional left-pointing arrowhead is added. A closed circle is placed above the scale mark at -5 and shading goes from just to the right of the 2nd left-pointing arrowhead to just to the left of -5.



Answer:

6. x is less than or equal to negative 5.

$$x \leq -5$$

