

Number Lines Lesson 3

Graphing Inequalities

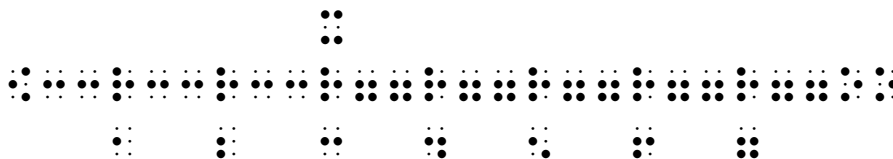
Greater Than Interpreting Activity

Answer Key

Emboss the "L3-NL-GT-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-GT-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 7, and an additional right-pointing arrowhead is added. An open circle is placed above the scale mark at 3 and shading goes from just to the right of 3 to just to the left of the 1st right-pointing arrowhead.

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Answer:

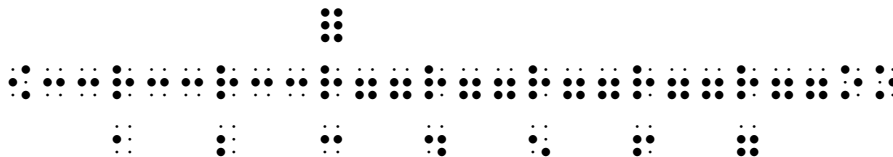
1. x is greater than 3.

$$x > 3$$

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2. A braille number line is shown. The scale marks are in increments of 1 starting with 1 and ending with 7, and an additional right-pointing arrowhead is added. A closed circle is placed above the scale mark at 3 and shading goes from just to the right of 3 to just to the left of the 1st right-pointing arrowhead.

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Answer:

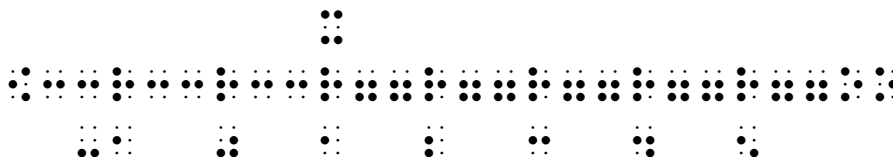
2. x is greater than or equal to 3.

$$x \geq 3$$

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

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Answer:

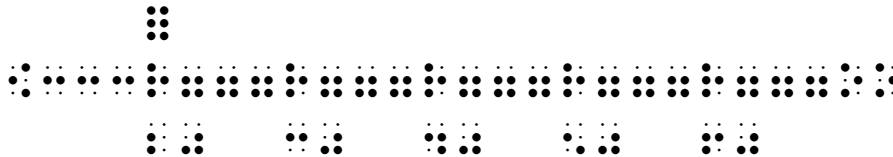
3. x is greater than 1.

$$x > 1$$

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4. A braille number line is shown. The scale marks are in increments of 10 starting with 20 and ending with 60, and an additional right-pointing arrowhead is added. A closed circle is placed above the scale mark at 20 and shading goes from just to the right of 20 to just to the left of the 1st right-pointing arrowhead.

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Answer:

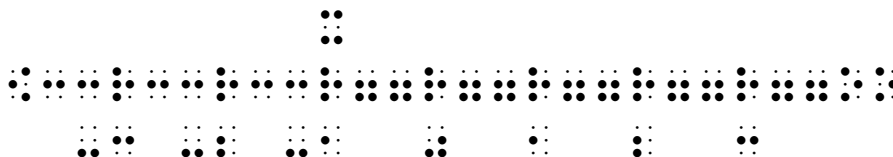
4. x is greater than or equal to 20.

$$x \geq 20$$

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

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Answer:

5. x is greater than negative 1.

$$x > -1$$

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

Answer:

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

$$x \geq -5$$