

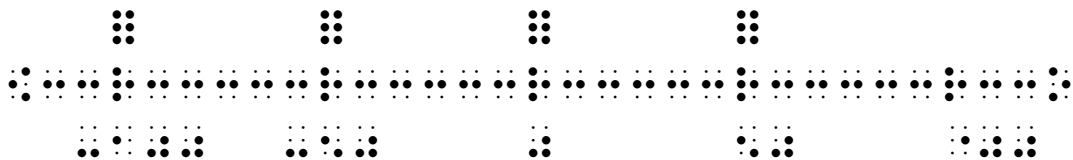
Number Lines

Graphing Review Activity Answer Key

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

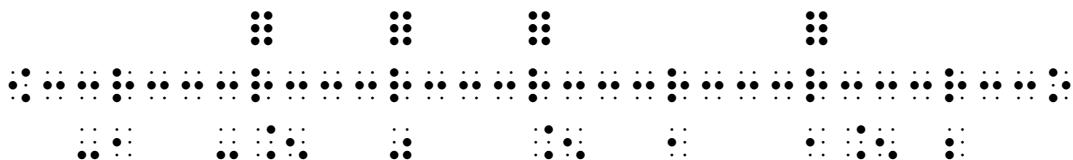
Answer:



A braille number line is shown. The scale marks are in increments of 50 starting with -100 and ending with 100. A closed circle is placed above the scale marks at -100, -50, 0, and 50.

2. $-.5, 0, .5, 1.5$

Answer:



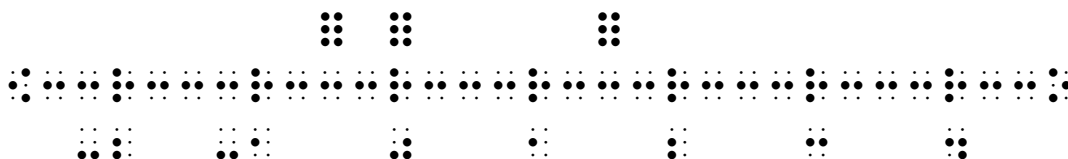
A braille number line is shown. The scale marks are in increments of .5 starting with -1 and ending with 2. A closed circle is placed above the scale marks at -.5, 0, .5, and 1.5.

3. negative one-half, zero, one and one-half

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

Answer:

⠠⠠⠠⠠⠠⠠⠠⠠



A braille number line is shown. The scale marks are in increments of 1 starting with -2 and ending with 4. Closed circles are placed above the number line halfway between the scale marks for -1 and 0, at the scale mark for 0, and halfway between the scale marks for 1 and 2.

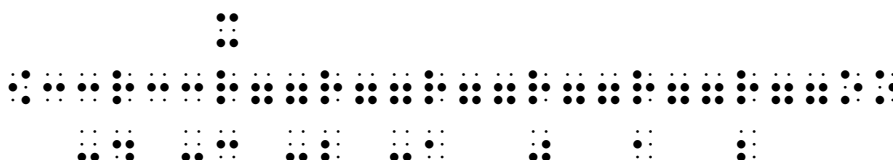
Graph each inequality on a new number line. Number your answers and include the original problem.

4. x is greater than negative 3.

$$x > -3$$

Answer:

⠠⠠⠠⠠⠠⠠⠠⠠ ⠠⠠ ⠠⠠⠠ ⠠⠠⠠⠠



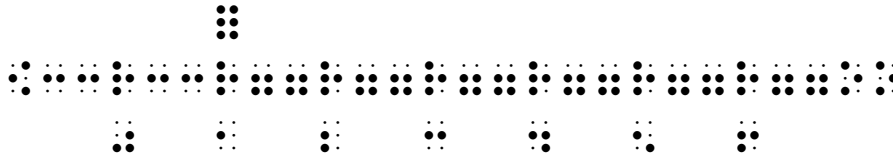
A braille number line is shown. The scale marks are in increments of 1 starting with -4 and ending with 2, and an additional right-pointing arrowhead is added. An open circle is placed above the scale mark at -3 and shading goes from just to the right of -3 to just to the left of the 1st right pointing arrowhead.

5. x is greater than or equal to 1.

$$x \geq 1$$

Answer:

⠠⠭ ⠨⠠⠭ ⠨⠠⠇ ⠠⠑



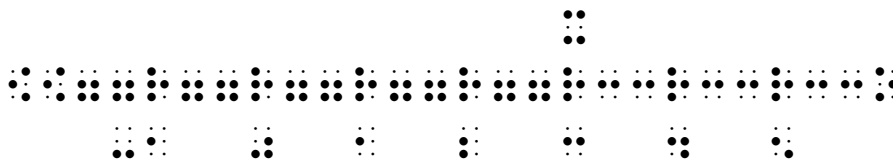
A braille number line is shown. The scale marks are in increments of 1 starting with 0 and ending with 6, and an additional right-pointing arrowhead is added. A closed circle is placed above the scale mark at 1 and shading goes from just to the right of 1 to just to the left of the 1st right pointing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

6. x is less than 3.

$$x < 3$$

Answer:

⠠⠭ ⠨⠠⠭ ⠨⠠⠇ ⠠⠑

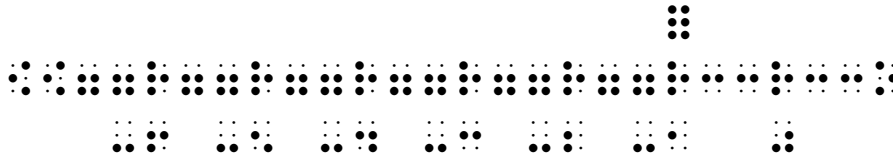
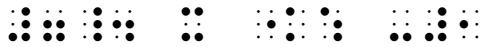


A braille number line is shown. The scale marks are in increments of 1 starting with -1 and ending with 5, and an additional left-pointing arrowhead is added. An open circle is placed above the scale mark at 3 and shading goes from just to the right of the 2nd left-pointing arrowhead to just to the left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

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

$$x \leq -1$$

Answer:



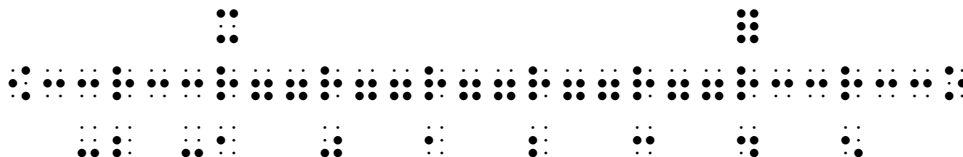
A braille number line is shown. The scale marks are in increments of 1 starting with -6 and ending with 0, and an additional left-pointing arrowhead is added. A closed circle is placed above the scale mark at -1 and shading goes from just to the right of the 2nd left-pointing arrowhead to just to the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

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.

$$-1 < x \leq 4$$

Answer:

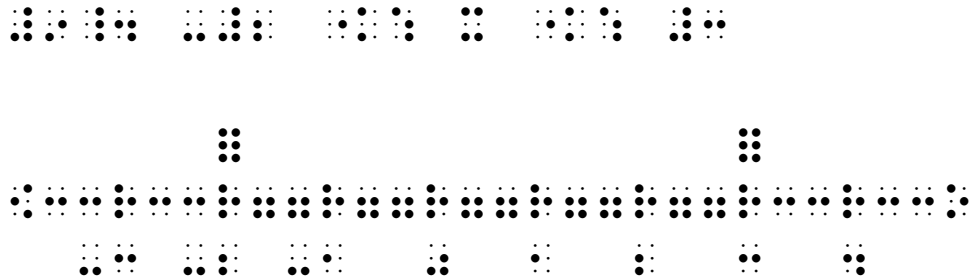


A braille number line is shown. The scale marks are in increments of 1 starting with -2 and ending with 5. An open circle is placed above the scale mark at -1 and a closed circle is placed above the scale mark at 4. Shading goes from just to the right of -1 to just to the left of 4.

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

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

Answer:

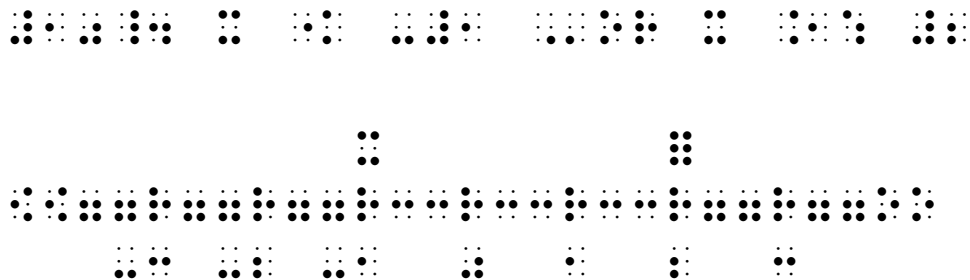


A braille number line is shown. The scale marks are in increments of 1 starting with -3 and ending with 4. A closed circle is placed above the scale marks at -2 and 3. Shading goes from just to the right of -2 to just to the left of 3.

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

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

Answer:



A braille number line is shown. The scale marks are in increments of 1 starting with -3 and ending with 3. An open circle is placed above the scale mark at -1 and a closed circle is placed above the scale mark at 2. An additional left-pointing arrowhead and an additional right-pointing arrowhead are added. Shading goes left of -1 and right of 2 not including the arrowheads.