

# Number Lines Lesson 3

## Graphing Inequalities

### Less Than Matching Game Answer Key

## Teacher Note

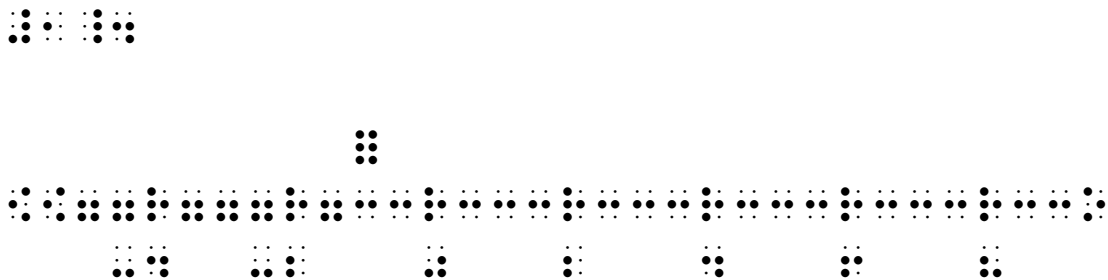
We have provided the answer for each problem in print for you, but the student only needs to write the letters and spaces.

## Rules

Match the inequalities below to each of the inequalities graphed on the remaining pages to make a phrase. Braille the letter that goes with the answer to each problem. Letters may be used more than once. For problems that say "space", press the space bar. Don't use the grade 1 symbol indicator when writing the answer since you will be creating a phrase in uncontracted braille.

## Game and Answers

1. A braille number line is shown. The scale marks are in increments of 2 starting with -4 and ending with 8, and an additional left-pointing arrowhead is added. A closed circle is placed above the number line halfway between the scale marks for -2 and 0 and shading goes from just to the right of the 2nd left-pointing arrowhead to just to the left of -1.



Answer: y

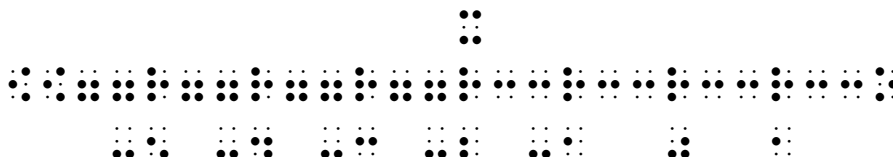
$x$  is less than or equal to negative 1.

$$x \leq -1$$

Figure 1 shows a 3x3 grid of dot patterns. The first two columns show a 3x3 grid of dots with one dot missing from the top-right position in each row. The third column shows a 3x3 grid of dots with one dot missing from the bottom-right position in each row.

2. 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 -2 and shading goes from just to the right of the 2nd left-pointing arrowhead to just to the left of -2.

⠠⠠⠠⠠⠠⠠



Answer: o

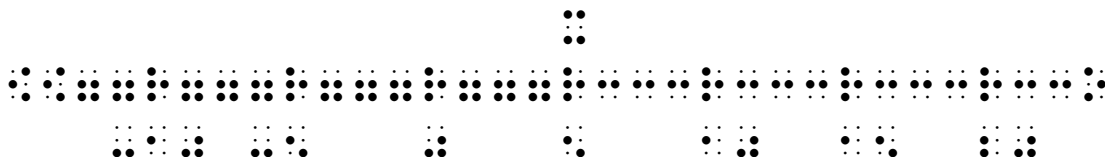
x is less than negative 2.

$$x < -2$$

⠠⠠⠠⠠⠠⠠

3. A braille number line is shown. The scale marks are in increments of 5 starting with -10 and ending with 20, 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: u

x is less than 5.

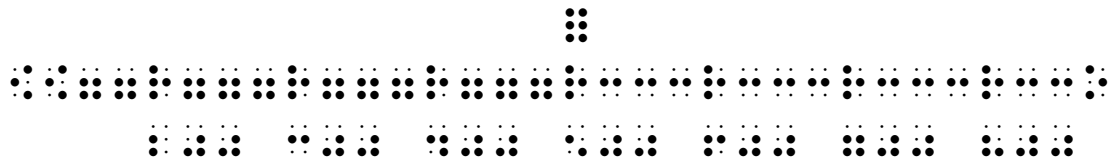
$$x < 5$$

⠠⠠⠠⠠⠠⠠





9. A braille number line is shown. The scale marks are in increments of 100 starting with 200 and ending with 800, and an additional left-pointing arrowhead is added. A closed circle is placed above the scale mark at 500 and shading goes from just to the right of the 2nd left-pointing arrowhead to just to the left of 500.



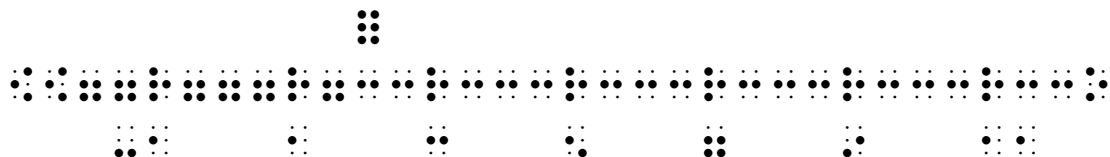
Answer: i

x less than or equal to 500.

$$x \leq 500$$



10. A braille number line is shown. The scale marks are in increments of 2 starting with -1 and ending with 11, and an additional left-pointing arrowhead is added. A closed circle is placed above the number line halfway between the scale marks at 1 and 3 and shading goes from just to the right of the 2nd left-pointing arrowhead to just to the left of 2.



Answer: t

$x$  is less than or equal to 2.

$$x \leq 2$$



Student Answer: you got it