

# Graphing Points on a Braille Number Line

## Background

After completing the *Creating a Braille Number Line* focused lesson, you are ready to start graphing points on a braille number line. As a quick review, the following symbols are used to create number lines:

- ⠠ (dots 2-4-6) left-pointing arrowhead
- ⠨ (dots 2-5) line (axis line)
- ⠆ (dots 1-2-3-5) coordinate scale mark
- ⠡ (dots 1-3-5) right-pointing arrowhead



To graph a point on the number line, you need to learn a new symbol.

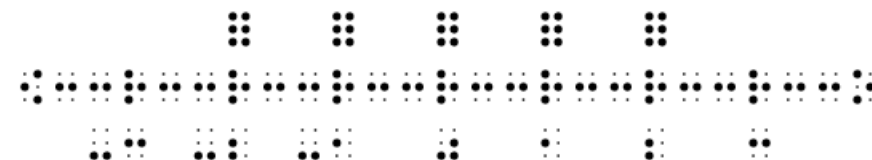
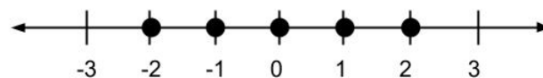
⠼ (dots 1-2-3-4-5-6) solid, filled-in, or closed circle (point included) is placed directly above a specific location on the number line when you wish to plot a point.

## General Instructions

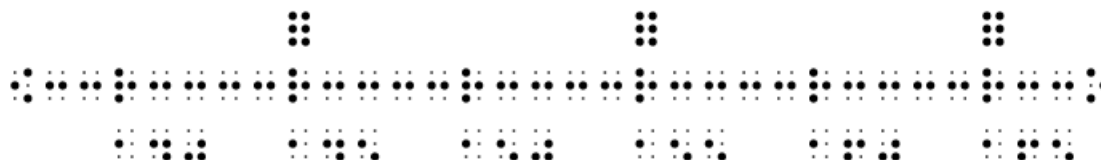
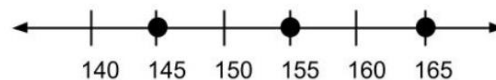
- When graphing points on a number line, first space down two lines.
- Create your number line.
- Place the proper coordinate under each scale mark.
- Above the number line, indicate where you wish to plot points by inserting a closed circle directly above each appropriate coordinate. This could be directly above a scale mark or somewhere in between.

## Detailed Examples

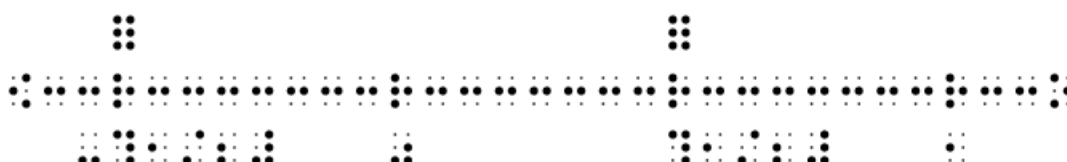
1. Graph the following integers on a number line:  
-2, -1, 0, 1, 2.



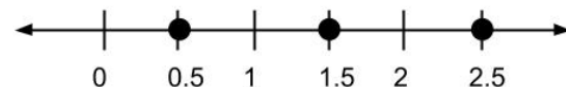
2. Graph the following points on a number line:  
145, 155, and 165.



3. Graph the following points on a number line:  
 $-\frac{1}{2}$  and  $\frac{1}{2}$ .



4. Graph the following points on a number line:  
0.5, 1.5, and 2.5.



5. Graph the following points on a number line:  
-1.5, .5, and 1.5.

