

Settings for Activity Center:

The screenshot shows the 'Activity Center' software interface. The main window displays a number line with a cursor at 0. A configuration window titled 'Configuration for Number line' is open, showing the following settings:

- Problem: $2+3$
- Prompt: UNIT, $\frac{b}{c}$, (-)
- Number of marks (maximum): 1
- Resubmit:
- Let students view cursor location value:
- Students' mark: Draw vectors, Mark points only

The number line at the bottom has input boxes for -5 and 5, and buttons for Step 1 and Tics 1. The 'Show guide' checkbox is checked.

Problems to use in exploration:

- 1) $2 + 3$
- 2) $1 + 2$
- 3) $-3 + -1$
- 4) $-2 + -3$
- 5) $-2 + 3$
- 6) $3 + -5$
- 7) $4 + -2$
- 8) $-1 + 6$
- 9) $-4 + 1$
- 10) $-3 + 3$

Adding Integers...What Patterns Do You See?

As we work with Activity Center today, please record our progress. After our exploration, we will try to find a pattern emerging from our work.

Problem	Answer	Operation	Sign of Answer

Are there any patterns that you see?

Rules for adding integers: