

## **Jumps and Leaps: Number Lines, Number Sense, and Solving Problems**

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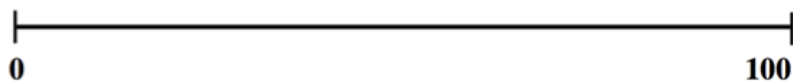
### **What is a number line?**

- Geometric representations of numerical magnitude
- Representations of the relationships of numbers (order!)
- Numbers are represented as points and distance
- The CCSSM defines a “number line diagram” as “a diagram of the number line used to represent numbers and support reasoning about them.”

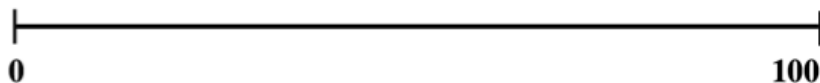
### **Do the Math!**

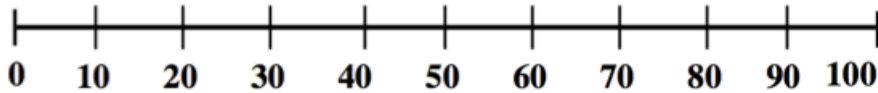


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**Student Thinking**

What did you learn about this student’s thinking?

What does she know? In what ways does she need to further develop her understanding of numbers on the number line?

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How could you use a number line mat to help your students build understanding, make generalizations, and construct multiplicative thinking?

**References**

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