# Which Model Should I Use? Choosing and Using a Variety of Representations

Sara Delano Moore, Ph.D. Director of Professional Learning ORIGO Education @saradelanomoore

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### **Number Lines**

- Arrows can indicate action.
- Comparisons can be hard to show.
- Repeated addition is easier to see than area.

# Which Model Should I Use? Choosing and Using a Variety of Representations

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Problem Situations and Sketch Space

Representations to Consider:

**Counters & Sketches** 

Cuisenaire Rods & Bar Models

Number Lines

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There are 26 students in Mrs. Amadi's class. 15 left to get ready to play in the band at the assembly. How many students remain in the classroom? There are 26 students in Mrs. Amadi's class. 15 play in the concert band. The rest sing in the choir. How many are in the choir? There are 15 band students and 11 choir members in Mrs. Amadi's class. How many more students are in the band than the choir?

Kwon wants to fill 3 bags with collectible cards for his party guests. He puts 8 cards in each bag. How many cards does he need? Bradley bought a new rug for the hallway of his house. The rolled-up rug measures 3 feet tall and the label said the area is 24 square feet. How long is the rug? Rajesh had 12 grapes for a snack. Latika had 3 more grapes in her snack than Rajesh did. How many grapes did Latika have? Joyce lives 12 miles from her school. Andrew lives 3 times as far from school as Joyce lives. How far away from school does Andrew live?

## **Reflecting on Representations**

Counters & Sketches

Cuisenaire Rods & Bar Models

Number Lines

