Number Building Routine

Rationale: Flexibility with understanding of numbers is crucial to the development of Invented Algorithms. This routine promotes students thinking about numbers in different ways and encourages students to become more flexible in their understanding of numbers and in their ability to decompose numbers.

Routine:

- This can be a center, work station, or whole group activity.
- Students are provided with a number. Students are encouraged to decompose the numbers in different ways- using base 10 blocks for support and/or mentally.

Differentiation:

- Teachers can provide different numbers for students based on need.
- Students can complete the activity independently in a journal.
- Students can share how they decomposed the number.
- Provides an opportunity to refine notation, discuss expanded form, discuss place value, etc.

Possible Examples:





