



Spotlight on Math Models:

Place Value Charts

You will see this mathematical representation throughout the grades in *A Story of Units*.

A Story of Units has several key mathematical “models” that will be used throughout a student’s elementary years.

The place value chart is a graphic organizer that students can use to see the coherence of place value and operations between different units. Use of the place value chart begins in Grade 1 as students learn about tens and ones, and continues through the use of decimals in Grade 5. The place value chart is a flexible tool. Young students can place chips on the chart, and physically move them as they bundle and group numbers. Older students can quickly create their own place value charts to illustrate their thinking for a problem and show their understanding of more complex numbers. In second grade, students use the chart extensively as they work to build their understanding of numbers up to 1000, and will often be asked to use the chart to illustrate how to compose and decompose numbers.

(from Lesson 15): Model 172 - 48 using the place value chart.

