## Eureka Math Tips for Parents

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Comparison of Length, Weight, Capacity, and Numbers to 10 In this Module, we will continue to support our growing number sense by comparing lengths, weights, and capacity of containers. Toward the end of the module, we build to comparing actual numerals.
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Comparing a picture of a shoe with a cube stick

## More or less? Taller or shorter?



What Came Before this Module: We learned all about shapes, both solid and flat. We sorted and compared them, and looked for them around our classroom.

What Comes After this Module: We begin a very exciting part of our learning about numbers: addition and subtraction!
Words we will use in
this module:
Comparison words:
Enough/not enough
Heavier than/Lighter
than (weight)
Longer than/shorter
than (length)
More than/fewer than -
used with discrete
quantities
More than/less than -
used with volume, area,
and number comparison
Taller than/shorter than
(height)
The same as
Other vocabulary:

- Balance scale
Endpoint - used to align
strings, etc, for direct
comparison
Capacity - used in
reference to volume
Length
Weight
- Height

Words we will use in this module: Comparison words:

- Enough/not enough

Heavier than/Lighter than (weight) Longer than/shorter than (length) used with discrete quantities used with volume, area, and number comparison
Taller than/shorter than (height)

- The same as


## Other vocabulary:

- Balance scale
- Endpoint - used to align strings, etc, for direct comparison
- Capacity - used in reference to volume
- Length
- Weight
- Height


Spotlight on Math Models:

## Number Towers

Students will use this tool to model and learn concepts of more than/less than.

## A Story of Units has several key mathematical "models" that will be used throughout a student's elementary years.

Number towers, also known as number stairs, are representations of quantity made by joining together interlocking cubes. In Kindergarten, they are used to help students literally build their knowledge of cardinality (the number of elements of a set of objects) by erecting towers of various numbers. Number towers are then used to teach concepts of "more/less", as well as the specific patterns of "1 more than/1 less than". This model leads to an understanding of comparison and the word "than" in other contexts as well: taller and shorter than, heavier than, longer than, etc.

Students are encouraged to build towers for quantities 1 through 5 in one color, with quantities beyond 5 added on in a second color. This color change provides developmental support for understanding the important benchmark number 5 , which will serve them well when they begin to add and subtract within groups of 10 as the year progresses.

Sample problem from Module 3:
Students count and then compare two groups of objects. They use their information to complete the math sentence under the picture.
(Sample taken from Module 3, Lesson 26)

is less than

