

DUVAL Math

Parent Tips

Comparison of Length, Weight, Capacity, and Numbers to 10

Students will work continue to support growing number sense by comparing lengths, weights, and capacity of containers. Towards the end of the module, students build to comparing actual numerals.

**Kindergarten,
Module 3**

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

What Comes After this Module: Students will begin a very exciting part of their learning about numbers: addition and subtraction!

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

Special points of interest:

- ✓ Words to Know
- ✓ Comparison: More than/Less than and Number Towers
- ✓ Comparison: Length, Height, Weight, and Numerals
- ✓ Mathematical Practices
- ✓ Want to learn more about DUVAL Math?

Other Vocabulary

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



Questions?

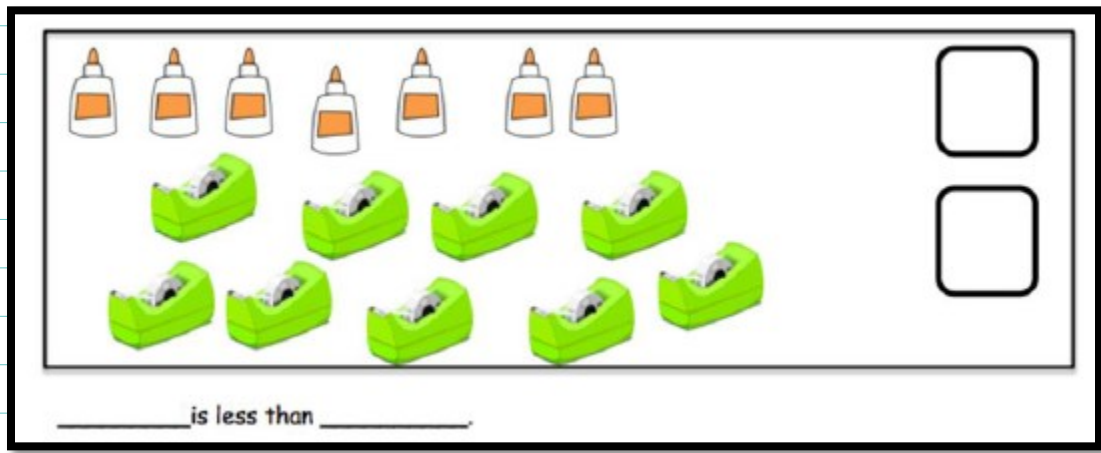
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Comparison: More than/ Less than and Number Towers

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

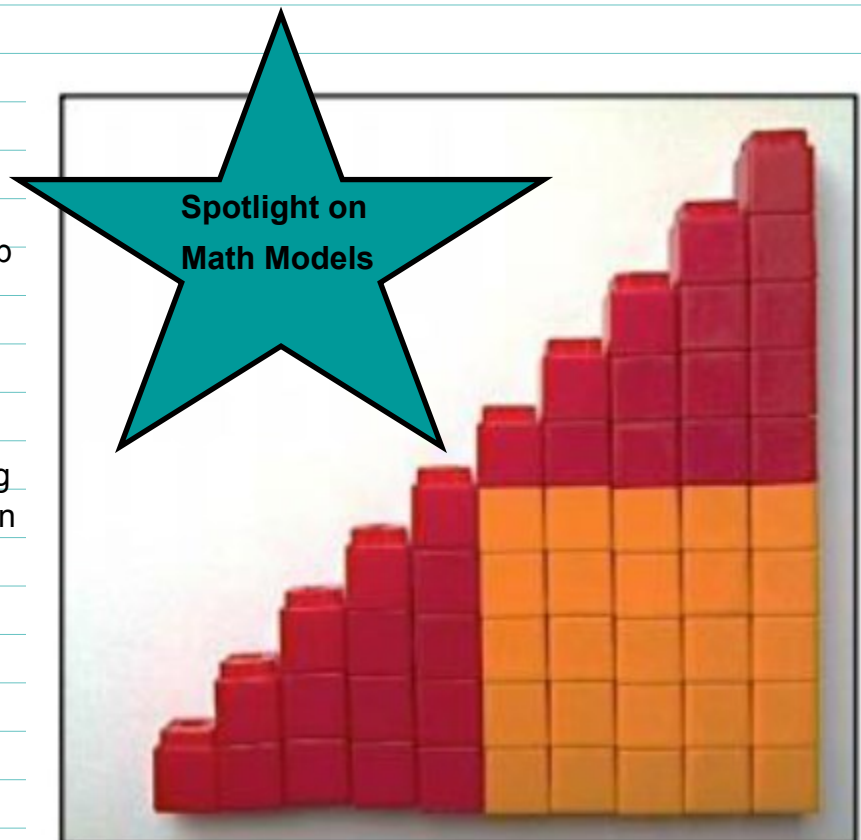


Number Towers

Number towers, also known as number stairs, are representations of quantity made by joining together interlocking cubes.

In Kindergarten, they are used to help 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 then word “than” in other contexts as well: taller and shorter than, heavier than, longer than, etc.

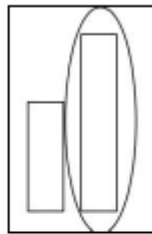


Comparison: Length, Height, Weight and Numerals

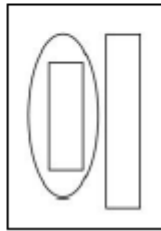
Comparison of Length and Height

In *Lesson 1*, the students begin to compare lengths using taller than and shorter than.

In each pair, circle the taller one. Imagine the paper strips are lying flat on a table.

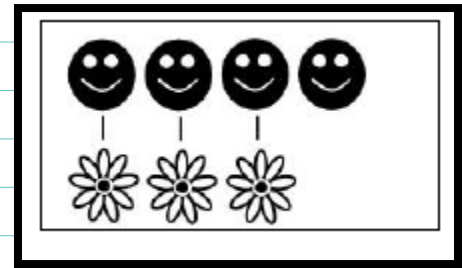


In each pair, circle the shorter one. Imagine the paper strips are lying flat on a table.



Comparison of Numerals

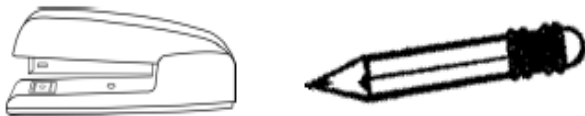
Students will work with linear configurations to match and count to compare a number and state which quantity is more or less.



Students learn strategies to compare two sets. Which set has more? Which set has less? How do you know?

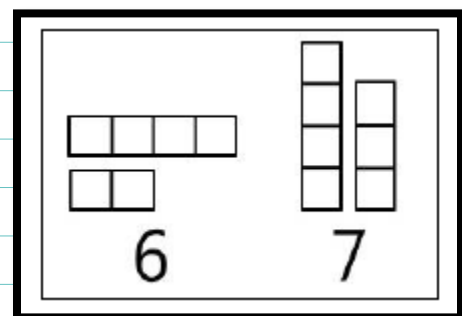
Comparison of Weight

In *Lesson 8*, students will use classroom objects using the words heavier than and lighter than.



The stapler is heavier than the pencil; the pencil is lighter than the stapler.

In *Lesson 9*, students begin to use a balance scale to measure weight. They will determine if an object is heavier than, lighter than, or the same as the other object measured.



Students will visualize quantities to compare two numerals.

3 5
Set A Set B

5 is more than 3.

3 is less than 5.

Standards for Mathematical Practice

Mathematical Practices Addressed in this Module:

MP.2 Reason quantitatively and abstractly. Students compare quantities by drawing objects in columns and matching the objects one to one to see that one column has more than another and draw the conclusion that 6 is more than 4 because 2 objects do not have a match.



MP.3 Construct viable arguments and critique the reasoning of others. Students describe measurable attributes of a single object and reason about how to compare its length, weight, and volume to that of another object.


MP.5 Use appropriate tools strategically. During the culminating task and End-of-Module Assessment, students might choose to use a scale to compare weight, linking cube sticks to compare length and rice and cups to compare volume.

Want to learn more about DUVAL Math? A great resource can be found following the link below:

<http://www.duvalschools.org/Page/17706>

Elementary Mathematics: Parent Partnerships for Success Grades K-2 and 3-5

Elementary Mathematics: Parent Partnerships for Suc...
2015 Parent Academy



**Elementary Mathematics:
Parent Partnerships for
Success
Grades K-2**

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Presented by: Beth Gonzalez & Kristen Brazell

