

## 1st Grade Mission 3 Notes

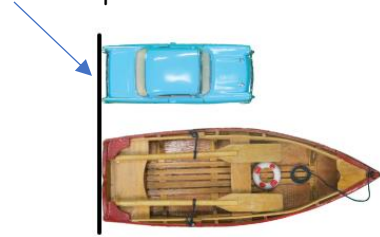
Longer – taller or higher



Shorter – smaller



Endpoint – place where the very end of an object is. It is also where we begin measuring.




When measuring an object, always begin with the endpoint and measure to the other endpoint **WITHOUT** any gaps.

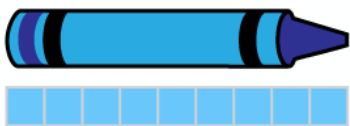


One centimeter block is 1 centimeter long.

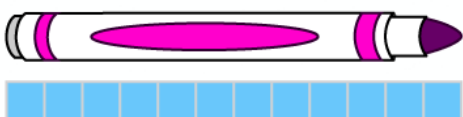
Sophie's crayon is 9 centimeters long.

She also has a marker that is 3 centimeters longer than her crayon.

How long is Sophie's marker? 



$$9 + 3 = 12$$

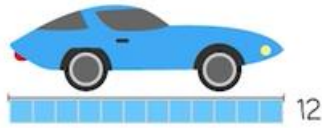


Sophie's marker is 12 centimeters long.

 = 1 centimeter

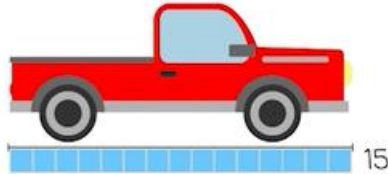
You can **ONLY** compare lengths of objects when you use the same measurement tool.

Emily has a toy car and a toy truck.



The truck is 3 centimeters longer than the car.  
The car is 3 centimeters shorter than the truck.

Which one is longer, and by how much?



Least- means less, smallest

Greatest- means most, biggest

When answering **more or less** questions, you can subtract or count on from the smallest number to the biggest number.

**How many more students like giraffes than lions?**

Animal	Number of Students
Elephant	4
Giraffe	7
Lion	3

Which expression shows how many fewer students like lions than giraffes?

$$7 - 3$$

4 more students like giraffes than lions.

$$3 + \underline{4} = 7$$