

MEASUREMENT AND DATA

<p>NC.4.MD.4</p>	<p>Represent and interpret data using whole numbers.</p> <ul style="list-style-type: none"> • Collect data by asking a question that yields numerical data. • Make a representation of data and interpret data in a frequency table, scaled bar graph, and/or line plot. • Determine whether a survey question will yield categorical or numerical data.
<p>DESCRIPTION</p>	<p>This anchor chart is a starting point for a lesson on data. Notice how the anchor chart lists examples of categorical and numerical data. As the lesson is being taught, students and teacher together can generate other examples to add to the chart. They can also post other examples of numerical graphs they encounter throughout the unit. They can look for these examples in textbooks, newspapers, magazines, and online resources.</p>

NC.4.MD.4

Categorical VS. Numerical Data

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Eye color
Kind of pet
Birth month
Hair color
Favorite food
Transportation types

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Age
Number of siblings
Height
Temperature
Distance
Number of items in a box

Types of graphs for Numerical Data

Frequency Table

# of laps	Tally	frequency
15		5
18		7
21		4
24		1
30		2
36		1

Scaled Bar Graph

Line Plot

Amount of Recycled Paper per Class (kilograms)

					X			
				X	X			
	X			X	X		X	
	X		X	X	X	X	X	
X	X		X	X	X	X	X	X
5	6	7	8	9	10	11	12	13