

# Chapter 10: Data

Content Area: **Mathematics**  
Course(s): **Math 2**  
Time Period: **May**  
Length: **8 Days**  
Status: **Published**

## Unit Summary

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In this unit, students will collect data and create tally charts, picture graphs, and bar graphs to help them analyze and solve problems.

## Standards

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MA.2.MD.D.10	Draw a picture graph and a bar graph (with single-unit scale) to represent a data set with up to four categories. Solve simple put together, take-apart, and compare problems using information presented in a bar graph.
CRP.K-12.CRP2	Apply appropriate academic and technical skills.
CRP.K-12.CRP2.1	Career-ready individuals readily access and use the knowledge and skills acquired through experience and education to be more productive. They make connections between abstract concepts with real-world applications, and they make correct insights about when it is appropriate to apply the use of an academic skill in a workplace situation.
TECH.8.1.2.A.CS1	Understand and use technology systems.
TECH.8.1.2.A.CS2	Select and use applications effectively and productively.

## Student Learning Objectives

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Students will learn to...

- Collect data in a survey and record that data in a tally chart.
- Interpret data in picture graphs and use that information to solve problems.
- Make picture graphs to represent data.
- Interpret data in bar graphs and use that information to solve problems.
- Make bar graphs to represent data.
- Solve problems involving data by using the strategy make a graph.

## Essential Questions

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- How do tally charts, picture graphs, and bar graphs help you solve problems?
- How do you use a tally chart to record data from a survey?
- How do you use a picture graph to show data?
- How do you make a picture graph to show data in a tally chart?
- How is a bar graph used to show data?
- How do you make a bar graph to show data?
- How does making a bar graph help when solving problems about data?

## Enduring Understandings

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Students will understand that...

- data can be collected and organized utilizing tally charts, picture graphs, and bar graphs.
- utilizing tally charts, picture graphs, and bar graphs can help analyze and solve problems.

## Application

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Students will be able to independently use their learning to...

- collect data and create tally charts, picture graphs, and bar graphs.
- analyze and solve problems.

## Skills

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Students will be skilled at...

- Collecting data.
- Reading picture graphs.
- Making picture graphs.
- Reading bar graphs.
- Making bar graphs.
- Displaying data.