

# Unit 8: Statistics

Content Area: **Math**  
Course(s): **Math**  
Time Period: **April**  
Length: **3-4 weeks**  
Status: **Published**

## Enduring Understandings

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SWBAT:

- Determine the validity of a conclusion.
- Explain variability in samples of a population.
- Solve a problem using statistics.
- Compare populations.

## Essential Questions

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How can we:

- Determine the validity of a conclusion.
  - Explain why a sample is biased or unbiased.
  - Explain why conclusions made from a biased sample may not be valid.
  - Use an unbiased sample to make a conclusion about a population
- Explain variability in samples of a population.
  - Use multiple random samples to make conclusions about a population.
  - Use multiple random samples to examine variation in estimates.
- Solve a problem using statistics.
  - Find the measures of center and variation of a data set.
  - Describe the visual overlap of two data distributions numerically.
  - Determine whether there is a significant difference in the measures of center of two data sets
- Compare populations.
  - Compare random samples using measures of center and variation.
  - Recognize whether random samples are likely to be representative of a population.
  - Compare populations using multiple random samples

## Benchmark Assessments

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Schoolwide Benchmark assessments:

- Linkit Benchmarks (Form A in September, Form B in January, Form C in June): Linked to NJSLA standards

**Additional Benchmarks used in this unit:**

- IXL Diagnostic + continued practice during IXL periods

**Formative Assessments**

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**Formative Assessments used in this unit:**

- Kahoot! Games
- Quizizz Games
- Homework
- Q & A
- Scavenger Hunts
- Coloring Activities
- Task Cards
- Partner Activities

**Summative Assessments**

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**Summative assessments for this unit:**

- Chapter Test
- Quizzes

**Instructional Materials**

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1. Big Ideas Math: Math & You 6th Grade Textbook
2. Quizizz
3. Kahoot!
4. Scavenger Hunts

5. Task Cards
6. Coloring Activities
7. GimKit

## **Standards**

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