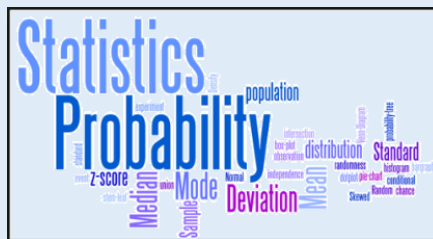


The Common Denominator

A Family Math Newsletter
Pre-Algebra Unit 4: Statistics and
Probability



Unit at a Glance

Skills/ Topics:

- Compare data displayed in dot plots or box plots.
- Use measures of center and spread from random samples to draw and support valid, comparative inferences about two populations.
- Approximate the experimental probability of a chance event by collecting data.
- Make predictions with theoretical probability of simple and compound events.
- Use technology to conduct a simulation.



Length:

45 minutes: 22 days; 90 minutes: 11 days

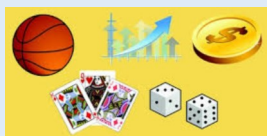
Exploring Mathematics

Careers:

[Career Options: Market Research Analyst, Meteorologist, Statistician, Financial Analyst](#)

Real-World Mathematics:

[Weather, Sports Strategies, Games](#)



Resource Toolkit

HMH Resources

Module 10: Analyzing and Comparing Data pg. 305-330
Module 11: Random Samples and Population pg. 331-359
Module 12: Experimental Probability pg. 361-394
Module 13: Theoretical Probability and Simulations pg. 395-429

Discovery ED Techbook Info

Grade 7

Unit 7: Populations and Samples concepts 7.1 and 7.2
Unit 8: Probability of Random Events concepts 8.1, 8.2, and 8.3
Unit 9: Probability of Multiple Events concepts 9.1 and 9.2

Homework Help Section

Open Up Resources

Unit 8 All Lessons and Practice Problems

[Khan Academy– Box Plots](#)

[Khan Academy– Box and Whisker Plot](#)

[Khan Academy– Probability](#)

“The only way to learn mathematics is to do mathematics. ”

- Paul Halmos