



American Baseball Foundation Lesson Overview Math Grades 5 and 6 © American Baseball Foundation, Inc. 2014

The lessons were sponsored by the University of Alabama at Birmingham (UAB) Red Mountain Writing Project and written by Dr. Jennifer Summerlin (main author), Tiona Fowler, and Dr. Tonya Perry. Adjusted by ABF 2018.

Lesson #	Mathematics Strand	Lesson Title	Mathematical Concept	Grade Level
Wk 1 Les 1	Numbers & Operations	Sports by the Numbers: Let's Get the Story	Exploring Authentic Uses of Number in the World of Baseball & Creating a Display to Share Thinking with Others	5-6
Wk 1 Les 2	Numbers, Fractions & Operations	Sports by the Numbers: Skill Sharpeners	Developing & Solving Context Specific Word Problems Using Fractions	5-6
Wk 1 Les 3	Numbers & Operations	Sports by the Numbers: Hard Hitting Multipliers	Developing & Solving Context Specific Word Problems Using Multiplication & Division	5-6
Wk 1 Les 4	Numbers & Operations	Sports by the Numbers: Conquering Multiplication Arrays	Understanding the Effects of Multiplying & Dividing Whole Numbers with 2-digit & 3-digit Whole Numbers	5-6
Wk 1 Les 5	Data Analysis	Baseball Line-Up with Statistics & Probability	Using Statistics to Choose Team Players & Develop a Batting Order	5-6
Wk 2 Les 1	Data Analysis	Baseball Line-Up with Statistics & Probability (Continued)	Developing Visual Representations for Data Analysis	5-6
Wk 2 Les 2	Data Analysis	Baseball Line-Up with Statistics & Probability (Continued)	Calculating Team Statistics & Comparing Statistics Among Teams	5-6
Wk 2 Les 3	Data Analysis	Baseball Line-Up with Statistics & Probability (Continued)	Calculating Team Statistics & Comparing Statistics Among Teams	5-6
Wk 2 Les 4	Algebraic Reasoning	Understanding the Order of Operations	Applying Algebraic Order of Operations	5-6
Wk 2 Les 5	Algebraic Reasoning	Algebraic Equations & Expressions	Translating and Creating Expressions with Parentheses	5-6
Wk 3 Les 1	Geometric Applications	Angles in Sports	Utilization of Angles and Shapes Related to Sports	5-6
Wk 3 Les 2	Geometric Applications	Angles in Sports (Continued)	Utilization of Angles and Shapes Related to Sports	5-6
Wk 3 Les 3	Algebraic Reasoning	Graphing Coordinates	Representing Contextual Situations with Symbolic Expressions	5-6
Wk 3 Les 4	Algebraic Reasoning	Equipment Graphing	Working with Patterns on Graphing Axis	5-6
Wk 3 Les 5	Physics Made Practical	Bending the Soccer Ball	Physical Forces Related to Balls in Sports	5-6
Wk 4 Les 1	Computational Strategies	Let the Games Begin: Keeping It All Together with Computations	Evaluating Expressions with Multiple Variables	5-6
Wk 4 Les 2	Computational Strategies	Let the Games Begin: Equivalent Expressions	Solving Equations with Like Terms	5-6
Wk 4 Les 3	Physics Made Practical	"Sweet Spot" in Baseball	Physical Forces Related to Balls in Sports	5-6
Wk 4 Les 4	Data Collection & Application	Finding the Average	Developing a Standard Procedure for Collecting, Displaying, & Analyzing Data	5-6
Wk 4 Les 5	Data Collection & Application	Finding the Average (Continued)	Developing a Standard Procedure for Collecting, Displaying, & Analyzing Data	5-6
Wk 5 Les 1	Computational Strategies	Ratios & Percent	Using Percentages to Connect with Real World Contexts	5-6
Wk 5 Les 2	Computational Strategies	Let the Games Begin: Powerful Products—Reading Multiplication Minds	Comparing & Contrasting Strategies for Solving Multiplication Problems	5-6
Wk 5 Les 3	Physics Made Practical	Soccer: Kicking Velocity	Physical Forces Related to Balls in Sports	5-6
Wk 5 Les 4	Computational Strategies	Let the Games Begin: Exponent Number Battle	Practical Application of Exponents	5-6
Wk 5 Les 5	Program Summary	Circling Up What Was Learned	Reviewing How Math is Made Practical	5-6



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