



American Baseball Foundation Math Lesson Overview Grades 3 and 4 © American Baseball Foundation, Inc. 2018
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Lesson #	Mathematics Strand	Lesson Title	Mathematical Concept	Grade Level
Wk 1 Les 1	Numbers & Operations	Sports by the Numbers: Mystery Photos	Exploring Authentic Uses of Numbers in the Sports World	3-4
Wk 1 Les 2	Numbers & Operations	Sports by the Numbers: Generating Word Problems with Multiple Operations	Developing & Solving Context Specific Word Problems Using Multiple Operations	3-4
Wk 1 Les 3	Numbers & Operations	Sports by the Numbers: Let's Get the Story—Solving Word Problems Using Multiple Operations	Developing & Solving Context Specific Word Problems Using Multiple Operations	3-4
Wk 1 Les 4	Numbers & Operations	Sports by the Numbers: Hard Hitting Multipliers	Multiplication Fluency & Accuracy	3-4
Wk 1 Les 5	Numbers & Operations	Sports by the Number: Conquering Multiplication Arrays	Connecting Factors with Rectangular Arrays	3-4
Wk 2 Les 1	Wholes and their Parts	Benchmark Fractions	Building an Understanding of Fractions and their Use.	3-4
Wk 2 Les 2	Fractions and Probability	Baseball Fractions with Statistics & Probability	Interpreting Statistical Information within a Purposeful Context	3-4
Wk 2 Les 3	Fractions and Probability	Baseball Fractions with Statistics & Probability (Continued)	Calculating Team Statistics & Comparing Statistics Among Teams	3-4
Wk 2 Les 4	Data Analysis	Baseball Fractions with Statistics & Probability (Continued)	Determining and Comparing Outcomes	3-4
Wk 2 Les 5	Data Analysis	Baseball Line-Up with Statistics & Probability	Generating & Analyzing Statistics	3-4
Wk 3 Les 1	Analyzing Angles & Shapes	Angles in Sports	Practical Application of Angles, Parallel Lines and Sides	3-4
Wk 3 Les 2	Analyzing Angles & Shapes	Angles in Sports (Continued)	Practical Application of Angles, Parallel Lines and Sides	3-4
Wk 3 Les 3	Decimal Computation & Problem-Solving	Concession Stand Combinations	Estimation of Decimal Amounts & Communication of Mathematical Thinking for Problem-Solving Purposes	3-4
Wk 3 Les 4	Algebraic Reasoning	Equations to Explore Algebraic Reasoning	Develop Explanations for Algebraic Reasoning	3-4
Wk 3 Les 5	Algebraic Reasoning	Equations to Explore Algebraic Reasoning (Continued)	Justifying Our Explanations for Patterns & Algebraic Reasoning	3-4
Wk 4 Les 1	Measurement Concepts	Measuring Me: Run, Jump, Hop, Stretch	Estimation & Exploration of Measurement Understanding Measurement within Real World Contexts	3-4
Wk 4 Les 2	Measurement Concepts	Measuring Me: Run, Jump, Hop, Stretch (Continued)	Estimation & Exploration of Measurement Understanding Measurement within Real World Contexts	3-4
Wk 4 Les 3	Time Measurement	Time in Sports	Time Applied to Sports	3-4
Wk 4 Les 4	Time Measurement	Time in Sports (Continued)	Time Applied to Sports	3-4
Wk 4 Les 5	Time Measurement	Time for Baseball	Calculation of Geographical Time Differences	3-4
Wk 5 Les 1	Operations Related to Practical Problems	Multiplication & Division with Word Problems	Solving Word Problems using Multiplication & Division	3-4
Wk 5 Les 2	Multiplication Operations	Let the Games Begin: Powerful Products	Exploring Different Strategies for Multiplication Problems	3-4
Wk 5 Les 3	Division Operations	Division Word Problems	Exploring Different Strategies for Division Problems	3-4
Wk 5 Les 4	Division Operations	Division in Sports	Application of Division in Real World Sports	3-4
Wk 5 Les 5	Data Collection	Card Game Championship	Data Analysis and its Application to Sports	3-4