Video Lessons for Illustrative Mathematics: Grades 6-8 and Algebra I

The Department, in partnership with Louisiana Public Broadcasting (LPB), Illustrative Math (IM), and SchoolKit selected 20 of the critical lessons in each grade level to broadcast on LPB in July of 2020. These lessons along with a few others are still available on demand on the SchoolKit website.

To ensure accessibility for students with disabilities, all recorded on-demand videos are available with closed captioning and audio description.

Updated on August 6, 2020
Background Information:

Lessons were identified using the following criteria:

1. the most critical content of the grade level
2. content that many students missed due to school closures in the 2019-20 school year

These lessons constitute only a portion of the critical lessons in each grade level. These lessons are available at the links below:

- Grade 6: http://schoolkitgroup.com/video-grade-6/
- Grade 7: http://schoolkitgroup.com/video-grade-7/
- Grade 8: http://schoolkitgroup.com/video-grade-8/
- Algebra I: http://schoolkitgroup.com/video-algebra/

The tables below contain information on each of the lessons available for on-demand viewing with links to individual lessons embedded for each grade level.

- Grade 6 Video Lesson List
- Grade 7 Video Lesson List
- Grade 8 Video Lesson List
- Algebra I Video Lesson List
# Grade 6 Video Lesson List

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<tbody>
<tr>
<td>2 Introducing Ratios</td>
<td>17</td>
<td>3 and 5</td>
<td>Recipes and Defining Equivalent Ratios</td>
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<td></td>
<td></td>
<td>6</td>
<td>Introducing Double Number Line Diagrams</td>
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<td>8 and 9</td>
<td>How Much for One? and Constant Speed</td>
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<td></td>
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<td>11 and 12</td>
<td>Representing Ratios with Tables and Navigating a Table of Equivalent Ratios</td>
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<tr>
<td>3 Unit Rate and Percentages</td>
<td>16</td>
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<td>Converting Units</td>
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<td>5</td>
<td>Comparing Speeds and Prices</td>
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<td>11</td>
<td>Percentages and Double Number Lines</td>
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<td>15</td>
<td>Finding This Percent of That</td>
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<tr>
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<td>16</td>
<td>Finding the Percentage</td>
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<tr>
<td>6 Expressions and Equations</td>
<td>16</td>
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<td></td>
<td>2</td>
<td>Truth and Equations</td>
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<td>4</td>
<td>Practice Solving Equations and Representing Situations with Equations</td>
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<td>6</td>
<td>Write Expressions Where Letters Stand for Numbers</td>
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<td>8</td>
<td>Equal and Equivalent</td>
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<td>9</td>
<td>The Distributive Property, Part 1</td>
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<td>10</td>
<td>The Distributive Property, Part 2</td>
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<td>16 and 17</td>
<td>Two Related Quantities, Part 1 and Part 2</td>
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<td>7</td>
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<td>1</td>
<td>Positive and Negative Numbers</td>
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<td>Points on the Number Line</td>
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<td>Comparing Positive and Negative Numbers</td>
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<td>Absolute Value of Numbers</td>
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<td>Points on the Coordinate Plane</td>
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<td>13</td>
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<td>14</td>
<td>Distances on a Coordinate Plane</td>
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<tbody>
<tr>
<td><strong>5 Rational Number Arithmetic</strong></td>
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<td>1 and 2  3 and 4  5  5  6  8  9  11</td>
<td>Interpreting Negative Numbers Changing Elevation Representing Subtraction Representing Subtraction Subtracting Rational Numbers Position, Speed, and Direction Multiplying Rational Numbers Dividing Rational Numbers</td>
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<tr>
<td>6 Expressions, Equations, and Inequalities</td>
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<td>13 and 14</td>
<td>Expressions with Rational Numbers and Solving Problems with Rational Numbers</td>
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<td>Different Options for Solving One Equation</td>
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<td>Using Equations to Solve Problems</td>
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<td>Combining Like Terms (Part 2)</td>
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| 7 Angles, Triangles, and Prisms | 17 |
| 2 | Adjacent Angles |
| 3 | Nonadjacent Angles |
| 5 | Using Equations to Solve for Unknown Angles |
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<td>4 and 5</td>
<td>More Balanced Moves</td>
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<td>9 and 10</td>
<td>When Are They the Same?</td>
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<td>15</td>
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<td>Tables, Equations</td>
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<td>8</td>
<td>5</td>
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## Algebra I Video Lesson List

### Algebra I Illustrative Mathematics

#### Units 6, 7

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<td>6 Introduction to Quadratic Functions</td>
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<td>A Different Kind of Change</td>
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<td>Comparing Quadratic and Exponential Functions</td>
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<td>Equivalent Quadratic Expressions</td>
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<td>Graphs of Functions in Standard and Factored Forms</td>
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<td>When and Why Do We Write Quadratic Equations?</td>
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<td>Solving Quadratic Equations with the Zero Product Property</td>
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<td>How Many Solutions?</td>
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<td>Rewriting Quadratic Expressions in Factored Form (Part 1)</td>
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<td>Video Lessons for Illustrative Math Grades 6-8 and Algebra I</td>
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<td>Rewriting Quadratic Expressions in Factored Form (Part 2)</td>
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<td>Rewriting Quadratic Expressions in Factored Form (Part 3)</td>
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<td>Solving Quadratic Equations by Using Factored Form</td>
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<td>What are Perfect Squares?</td>
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<td>Completing the Square (Part 1)</td>
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<td>Quadratic Equations with Irrational Solutions</td>
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<td>The Quadratic Formula</td>
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