



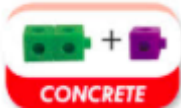

## Title: Math 6 Mathematics Playlist

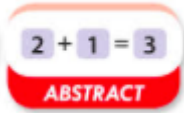
### Learning Target/Standards:

Grade 6 focuses on the following critical areas:

- (1) connecting ratio and rate to whole number multiplication and division and using concepts of ratio and rate to solve problems;
- (2) completing understanding of division of fractions and extending the notion of number to the system of rational numbers, which includes negative numbers;
- (3) writing, interpreting, and using expressions and equations;
- (4) developing understanding of statistical thinking; and
- (5) math fluency

**Directions: Determine your pace through the activities and extensions in the playlist to support your readiness for middle school mathematics**

Process (Students choose their entry point)	Task/Learning (Provide physical and digital opportunities for learners)	Progress
<b>Explore</b>	<p>Explore Grade 6 Math with Khan Academy. Click image to access.</p>   <p>Visit the Brainpop App to explore videos on math topics:</p>	
	<p><a href="#">Multiplication Facts Exploration</a>  <a href="#">Geometry, Measurement and Coding</a></p>	
	<p><a href="#">Bar Modeling</a> - A Review  <a href="#">Bar Modeling</a> - Dividing Fractions  <a href="#">Fractions on a Number Line</a></p>	
	<p><a href="#">GregTangmath.com</a></p> <ul style="list-style-type: none"> <li>• <a href="#">Games</a> to support practice and fluency</li> </ul> <p><a href="#">Using Tables to create Equivalent Ratios</a></p> <p>Bar model drawings support pictorial methods</p>	

	<p><b>IXL - Access through the App on your device or web:</b>  <a href="https://www.ixl.com/signin/greenwichps">https://www.ixl.com/signin/greenwichps</a></p> <ul style="list-style-type: none"> <li>• <a href="#">Grade 6 Math Practice</a></li> </ul> <p><b>Khan Academy - <a href="#">Practice</a></b></p> <p><a href="#">Illustrative Mathematics - Grade 6</a></p> <ol style="list-style-type: none"> <li>1. Click Domains       <ol style="list-style-type: none"> <li>a. 6.RP Ratios and Proportional Reasoning</li> <li>b. 6.NS The Number System</li> <li>c. 6.EE Expressions &amp; Equations</li> <li>d. 6.G Geometry</li> </ol> </li> <li>2. Click View all Grade 6 <a href="#">Tasks</a></li> </ol>	
<p><b>Extend</b></p>	<p><b>Visit the Library and read books on a Math Theme:</b>  <a href="#">A Gebra named AI</a> by Wendy Isdell  <a href="#">The Cat in Numberland</a> by Ivar Eckland  <a href="#">The Adventures of Penrose the Mathematical Cat</a> by Theoni Pappas  <a href="#">Sir Cumference and the Dragon of Pi</a> by Cindy Neuschwander</p> <p>Revisit the applications (apps) on your device to <b>EXTEND</b> your learning.</p>	
<p><b>Application</b></p>	<p>Use <b>Educreations</b> (or another method of their choice) to:</p> <ul style="list-style-type: none"> <li>• “teach” your new learning to a 4th or 5th grader</li> <li>• make connections to how this new math learning can be used in daily life</li> <li>• create a problem for others to solve that involve the new learning.</li> </ul>	
<p><b>Share</b></p>	<p>Be a partner with your parent, sibling or peer (friend) and explain your learning.</p> <p>Be certain to share with your current teacher how you are working to meet a new goals you have set for mathematics in sixth grade.</p>	