

**Bloom's Taxonomy Mathematics Chart**

Levels	Verbs	Sample Tasks
<p><b>KNOWLEDGE</b></p> <p>Learn terms, facts, methods, procedures, concepts</p>	<p>Draw, Recognize, Count, Group, Reproduce, Memorize, State, Tabulate, Identify, Point, Follow Directions</p>	<ol style="list-style-type: none"> <li>1. Can you identify the different place values in the metric system?</li> <li>2. State the mode, mean, median, and range from your set of data.</li> <li>3. How do you reproduce a circle using a compass?</li> </ol>
<p><b>COMPREHENSION</b></p> <p>Understand uses and implications of terms, facts, methods, procedures, concepts</p>	<p>Change, Classify, Convert, Estimate, Interpret, Measure, Put in Order, Show, Suggest, Express in other terms</p>	<ol style="list-style-type: none"> <li>1. Classify polygons by regularity, concavity, and line symmetry.</li> <li>2. Explain how to convert between fractions, decimals, and percents.</li> <li>3. What is your interpretation of the data expressed on the graph?</li> </ol>
<p><b>APPLICATION</b></p> <p>Practice theory, solve problems, use information in the new situations</p>	<p>Calculate, Compute, Construct, Demonstrate, Derive, Graph, Manipulate, Operate, Practice, Prove, Solve</p>	<ol style="list-style-type: none"> <li>1. How do you calculate the percent of a given whole?</li> <li>2. Solve for area of a rectangle by using <math>A = l \times w</math>.</li> <li>3. What information do you consider when graphing data derived from a survey?</li> </ol>
<p><b>ANALYSIS</b></p> <p>Analyze structure, recognize assumptions, breaking down material into parts</p>	<p>Break down, Deduce, Diagram, Distinguish, Formulate, Group, Order, Separate, Simplify, Sort</p>	<ol style="list-style-type: none"> <li>1. What methods can be used to compare and order fractions?</li> <li>2. Analyze the relationship between variables on a graph.</li> <li>3. What factors do you consider when formulating a plan for problem solving?</li> </ol>
<p><b>SYNTHESIS</b></p> <p>Putting information together into a new and creative way.</p>	<p>Construct, Create, Derive, Develop, Document, Generate, Integrate, Plan, Predict, Prepare, Propose, Specify, Tell</p>	<ol style="list-style-type: none"> <li>1. Describe some patterns that you recognized in the construction of Pascal's Triangle.</li> <li>2. What kind of table can you create that represents change in temperature?</li> <li>3. What prediction can you make from this graph?</li> </ol>
<p><b>EVALUATION</b></p> <p>Set standards, Judge with purpose, accept or reject on basis of criteria</p>	<p>Appraise, Choose, Compare, Conclude, Decide, Describe, Evaluate, Justify, Measure, Validate</p>	<ol style="list-style-type: none"> <li>1. Evaluate the expression after changing the order of operations.</li> <li>2. Describe how to solve a problem using the 4 step method.</li> <li>3. Justify your reason for choosing the strategy selected.</li> </ol>