

**Objective A: Knowing and understanding**

- i. select appropriate mathematics when solving problems in both familiar and unfamiliar situations
- ii. apply the selected mathematics successfully when solving problems
- iii. solve problems correctly in a variety of contexts.

**Objective B: Investigating patterns**

- i. apply mathematical problem-solving techniques to recognize patterns
- ii. describe patterns as relationships or general rules consistent with findings
- iii. verify whether the pattern works for other examples.

**Objective C: Communicating**

- i. use appropriate mathematical language (notation, symbols and terminology) in both oral and written statements
- ii. use appropriate forms of mathematical representation to present information
- iii. communicate coherent mathematical lines of reasoning
- iv. organize information using a logical structure.

**Objective D: Applying mathematics in real-life contexts**

- i. identify relevant elements of authentic real-life situations
- ii. select appropriate mathematical strategies when solving authentic real-life situations
- iii. apply the selected mathematical strategies successfully to reach a solution
- iv. explain the degree of accuracy of a solution
- v. describe whether a solution makes sense in the context of the authentic real-life situation.

Math Year 1 Summative Assessment Criteria Rubric

Level	Criteria A: Knowing and Understanding	Criteria B: Investigating Patterns	Criteria C: Communicating	Criteria D: Applying Mathematics in Real World Contexts
1-2	<ul style="list-style-type: none"> <li>i. select appropriate mathematics when solving simple problems in familiar situations</li> <li>ii. apply the selected mathematics successfully when solving these problems</li> <li>iii. generally solve these problems correctly in a variety of contexts</li> </ul>	<ul style="list-style-type: none"> <li>i. apply, with teacher support, mathematical problem-solving techniques to recognize simple patterns.</li> <li>ii. state predictions consistent with simple patterns</li> </ul>	<ul style="list-style-type: none"> <li>i. use limited mathematical language</li> <li>ii. use limited forms of mathematical representations to present information</li> <li>iii. communicate through lines of reasoning that are difficult to understand</li> </ul>	<ul style="list-style-type: none"> <li>i. identify some elements of the authentic real-life situation</li> <li>ii. apply mathematical strategies to find the solution to authentic real-life situation , with limited success.</li> </ul>
3-4	<ul style="list-style-type: none"> <li>i. select appropriate mathematics when solving more complex problems in familiar situations</li> <li>ii. apply the selected mathematics successfully when solving these problems</li> <li>iii. generally solve these problems correctly in a variety of contexts</li> </ul>	<ul style="list-style-type: none"> <li>i. apply mathematical problem-solving techniques to recognize simple patterns.</li> <li>ii. suggest how these patterns work</li> </ul>	<ul style="list-style-type: none"> <li>i. use some appropriate mathematical language</li> <li>ii. use appropriate forms of mathematical representations to present information adequately</li> <li>iii. communicate through lines of reasoning that are able to be understood although these are not always coherent</li> <li>iv. adequately organize information using a logical structure.</li> </ul>	<ul style="list-style-type: none"> <li>i. identify the relevant elements of the authentic real-life situation</li> <li>ii. apply mathematical strategies to reach a solution to authentic real-life situation</li> <li>iii. state, but not always correctly , whether the solution makes sense in the context of the authentic real-life situation</li> </ul>
5-6	<ul style="list-style-type: none"> <li>i. select appropriate mathematics when solving challenging problems in familiar situations</li> <li>ii. apply the selected mathematics successfully when solving these problems</li> </ul>	<ul style="list-style-type: none"> <li>i. apply mathematical problem-solving techniques to recognize patterns.</li> <li>ii. suggest relationships or general rules consistent with findings</li> <li>iii. verify whether patterns work for another example</li> </ul>	<ul style="list-style-type: none"> <li>i. usually use appropriate mathematical language</li> <li>ii.usually use appropriate forms of mathematical representations to present information correctly</li> <li>iii. communicate through lines of reasoning that are usually coherent</li> </ul>	<ul style="list-style-type: none"> <li>i. identify the relevant elements of the authentic real-life situation</li> <li>ii. select adequate mathematical strategies to reach a solution to authentic real-life situation</li> <li>iii. apply the selected authentic real-life situation to reach a valid solution to the authentic real-life situation</li> <li>iv. describe the accuracy of the solution</li> </ul>

	iii. generally solve these problems correctly in a variety of contexts		iv. adequately organize information using a logical structure.	v. state correctly whether the solution makes sense in the context of the authentic real-life situation
<b>7-8</b>	<p>i. select appropriate mathematics when solving challenging problems in familiar and unfamiliar situations</p> <p>ii. apply the selected mathematics successfully when solving these problems</p> <p>iii. generally solve these problems correctly in a variety of contexts</p>	<p>i. select and apply mathematical problem-solving techniques to recognize correct patterns.</p> <p>ii. describe patterns as relationships or general rules consistent with correct findings</p> <p>iii. verify whether patterns work for other examples</p>	<p>i. consistently use appropriate mathematical language</p> <p>ii. consistently use appropriate forms of mathematical representations to present information correctly</p> <p>iii. communicate clearly through coherent lines of reasoning</p> <p>iv. present work that is consistently organized using a logical structure.</p>	<p>i. identify the relevant elements of the authentic real-life situation</p> <p>ii. select adequate mathematical strategies to reach a solution to authentic real-life situation</p> <p>iii. apply the selected authentic real-life situation to reach a correct to the authentic real-life situation</p> <p>iv. explain the degree the accuracy of the solution</p> <p>v. describe correctly whether the solution makes sense in the context of the authentic real-life situation</p>