

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

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