



Elementary Report Card Grading Benchmarks – Grade 5

Mathematics

1. Operations and Algebraic Thinking: Demonstrates fluency and accuracy with math facts in all four operations.

1	2	3	4
The student is unable or rarely able to demonstrate fluency and accuracy with math facts in all four operations.	The student can sometimes, but is not consistently able to, demonstrate fluency and accuracy with math facts in all four operations.	The student consistently meets grade-level expectations by to demonstrating fluency and accuracy with math facts in all four operations.	The student exceeds grade-level expectations, and is able to apply and extend learning in the content by demonstrating fluency and accuracy with math facts in all four operations

2. Operations and Algebraic Thinking: Writes and interprets numerical expressions.

1	2	3	4
The student is unable or rarely able to write and interpret numerical expressions.	The student can sometimes, but is not consistently able to, write and interpret numerical expressions.	The student consistently meets grade-level expectations by writing and interpreting numerical expressions.	The student exceeds grade-level expectations, and is able to apply and extend learning in the content by writing and interpreting numerical expressions.

3. Operations and Algebraic Thinking: Analyzes patterns and relationships.

1	2	3	4
The student is unable or rarely able to analyze patterns and relationships.	The student can sometimes, but is not consistently able to, analyze patterns and relationships.	The student consistently meets grade-level expectations by analyzing patterns and relationships.	The student exceeds grade-level expectations, and is able to apply and extend learning in the content by analyzing patterns and relationships.

4. Number and Operations in Base Ten: Demonstrates understanding of the place value system.

1	2	3	4
The student is unable or rarely able to demonstrate understanding of the place value system.	The student can sometimes, but is not consistently able to, demonstrate understanding of the place value system.	The student consistently meets grade-level expectations by demonstrating understanding of the place value system.	The student exceeds grade-level expectations, and is able to apply and extend learning in the content by demonstrating understanding of the place value system.

5. Number and Operations in Base Ten: Perform operations with multi-digit whole numbers.

1	2	3	4
The student is unable or rarely able to perform operations with multi-digit whole numbers.	The student can sometimes, but is not consistently able to, perform operations with multi-digit whole numbers.	The student consistently meets grade-level expectations by using performing operations with multi-digit whole numbers.	The student exceeds grade-level expectations, and is able to apply and extend learning in the content by performing operations with multi-digit whole numbers.

6. Number and Operations in Base Ten: Perform operations with decimals to hundredths.

1	2	3	4
The student is unable or rarely able to perform operations with decimals to hundredths.	The student can sometimes, but is not consistently able to, perform operations with decimals to hundredths.	The student consistently meets grade-level expectations by using performing operations with decimals to hundredths.	The student exceeds grade-level expectations, and is able to apply and extend learning in the content by performing operations with decimals to hundredths.

7. Number and Operations - Fractions: Uses equivalent fractions as a strategy to add and subtract fractions.

1	2	3	4
The student is unable or rarely able to use equivalent fractions as a strategy to add and subtract fractions.	The student can sometimes, but is not consistently able to, use equivalent fractions as a strategy to add and subtract fractions.	The student consistently meets grade-level expectations by using equivalent fractions as a strategy to add and subtract fractions.	The student exceeds grade-level expectations, and is able to apply and extend learning in the content by using equivalent fractions as a strategy to add and subtract fractions.

8. Number and Operations - Fractions: Applies and extends previous understandings of multiplication and division to multiply and divide fractions.

1	2	3	4
The student is unable or rarely able to apply and extend previous understandings of multiplication and division to fractions.	The student can sometimes, but is not consistently able to, apply and extend previous understandings of multiplication and division to fractions.	The student consistently meets grade-level expectations by applying and extending previous understandings of multiplication and division to fractions.	The student exceeds grade-level expectations, and is able to apply and extend previous understandings of multiplication and division to fractions.

9. Number and Operations - Fractions: Solves real world and mathematical problems involving multiplication of fractions and mixed numbers.

1	2	3	4
The student is unable or rarely able to solve real world and mathematical problems involving multiplication of fractions and mixed numbers.	The student can sometimes, but is not consistently able to, solve real world and mathematical problems involving multiplication of fractions and mixed numbers.	The student consistently meets grade-level expectations by solving real world and mathematical problems involving multiplication of fractions and mixed numbers.	The student exceeds grade-level expectations when solving real world and mathematical problems involving multiplication of fractions and mixed numbers.

10. Number and Operations - Fractions: Solves real world and mathematical problems involving division of fractions and whole numbers.

1	2	3	4
The student is unable or rarely able to solve real world and mathematical problems involving division of fractions and whole numbers.	The student can sometimes, but is not consistently able to, to solve real world and mathematical problems involving division of fractions and whole numbers.	The student consistently meets grade-level expectations by to solving real world and mathematical problems involving division of fractions and whole numbers.	The student exceeds grade-level expectations when solving real world and mathematical problems involving division of fractions and whole numbers.

11. Measurement and Data: Converts like measurement units within a given measurement system.

1	2	3	4
The student is unable or rarely able to convert like measurement units within a given measurement system.	The student can sometimes, but is not consistently able to, convert like measurement units within a given measurement system.	The student consistently meets grade-level expectations by converting like measurement units within a given measurement system.	The student exceeds grade-level expectations, and is able to apply and extend learning in the content by converting like measurement units within a given measurement

			system.
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12. Measurement and Data: Represents and interprets data.

1	2	3	4
The student is unable or rarely able to solve problems involving representing and interpreting data.	The student can sometimes, but is not consistently able to solve problems involving representing and interpreting data.	The student consistently meets grade-level expectations by solving problems involving representing and interpreting data.	The student exceeds grade-level expectations, and is able to apply and extend learning in the content by solving problems involving representing and interpreting data.

13. Measurement and Data: Demonstrates understand of the concepts of volume.

1	2	3	4
The student is unable or rarely able to demonstrate understanding of the concepts of volume.	The student can sometimes, but is not consistently able to, demonstrate understanding of the concepts of volume.	The student consistently meets grade-level expectations by demonstrating understanding of the concepts of volume.	The student exceeds grade-level expectations when demonstrating understanding of the concepts of volume.

14. Geometry: Graphs points on the coordinate plane to solve real-world and mathematical problems.

1	2	3	4
The student is unable or rarely able to graph points on the coordinate plane to solve real-world and mathematical problems.	The student can sometimes, but is not consistently able to, graph points on the coordinate plane to solve real-world and mathematical problems.	The student consistently meets grade-level expectations by graphing points on the coordinate plane to solve real-world and mathematical problems.	The student exceeds grade-level expectations, and is able to apply and extend learning in the content by graphing points on the coordinate plane to solve real-world and mathematical problems.

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15. Geometry: Classifies two-dimensional figures into categories based on their properties.

1	2	3	4
The student is unable or rarely able to classify two-dimensional figures into categories based on their properties.	The student can sometimes, but is not consistently able to, classify two-dimensional figures into categories based on their properties.	The student consistently meets grade-level expectations by classifying two-dimensional figures into categories based on their properties.	The student exceeds grade-level expectations, and is able to apply and extend learning in the content by classifying two-dimensional figures into categories based on their properties.

16. Mathematical Reasoning: Models with mathematics.

1	2	3	4
The student is unable or rarely able to model with mathematics in order to solve real world and mathematical problems.	The student can sometimes, but is not consistently able to, model with mathematics in order to solve real world and mathematical problems.	The student consistently meets grade-level expectations by modeling with mathematics in order to solve real world and mathematical problems.	<p>The student exceeds grade-level expectations, and is able to apply and extend content knowledge independently by modeling with mathematics in order to solve real world and mathematical problems.</p> <p>Student is able to communicate mathematical practice clearly in oral, written, and/or graphic form to show why a result makes sense.</p>