

Semester ONE Rubric – GRADE 3

**Math**

Report Card Line	4 ADVANCED	3 PROFICIENT	2 BASIC	1 MINIMAL
<p>Reads and writes whole numbers to 10,000 (WI B 4.1 and 4.3)</p>	<p><b>Independently</b> demonstrates proficient skills <b>and:</b></p> <ul style="list-style-type: none"> <li>▪ Reads and writes whole numbers to 500,000</li> </ul>	<ul style="list-style-type: none"> <li>▪ Reads and writes whole numbers to 10,000 using visual aids</li> </ul>	<ul style="list-style-type: none"> <li>▪ Reads and writes whole numbers to 1,000 using visual aids</li> </ul>	<ul style="list-style-type: none"> <li>▪ Reads and writes whole numbers to 100 using visual aids</li> </ul>
<p>Applies reasonable estimations (WI B 4.2 and D 4.5)</p>	<p><b>Independently</b> demonstrates proficient skills <b>and:</b></p> <ul style="list-style-type: none"> <li>▪ Determines number of objects in a set by estimation including rounding numbers to the nearest 100 and 1000</li> <li>▪ Approximates measurements (length and weight) by using estimation techniques</li> <li>▪ Selects and uses estimation in problem solving situations</li> </ul>	<ul style="list-style-type: none"> <li>▪ Determines number of objects in a set by estimation including rounding numbers to the nearest 10 and 100</li> <li>▪ Approximates measurements (length) by using estimation techniques</li> <li>▪ Selects and uses estimation in problem solving situations</li> </ul>	<ul style="list-style-type: none"> <li>▪ Demonstrates some proficient skills and/or requires some teacher help</li> </ul>	<ul style="list-style-type: none"> <li>▪ Demonstrates few proficient skills and requires intensive teacher help.</li> </ul>

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<p>Adds 2-3 digit numbers with regrouping (WI B 4.5 and F 4.6)</p>	<p><b>Independently</b> demonstrates proficient skills <b>and:</b></p> <ul style="list-style-type: none"> <li>▪ Automatically uses facts when solving complex problems</li> <li>▪ Applies mental math to a variety of situations</li> <li>▪ Generates algorithm for addition</li> <li>▪ Uses the commutative and associative properties for addition</li> <li>▪ Adds money in problem-solving situations</li> </ul>	<ul style="list-style-type: none"> <li>▪ Fluent with all the basic facts of addition</li> <li>▪ Uses mental math</li> <li>▪ Selects and applies algorithms for addition</li> <li>▪ Understands the concept of commutative and associative properties for addition</li> <li>▪ Adds money</li> <li>▪ Solves problems in vertical and horizontal format</li> </ul>	<ul style="list-style-type: none"> <li>▪ Fluent with some basic facts of addition</li> <li>▪ Demonstrates some proficient skills and/or requires some teacher help</li> </ul>	<ul style="list-style-type: none"> <li>▪ Fluent with few basic facts of addition</li> <li>▪ Demonstrates few proficient skills and requires intensive teacher help</li> </ul>
<p>Subtracts 2-3 digit numbers with regrouping (WI B 4.5 and F 4.6)</p>	<p><b>Independently</b> demonstrates proficient skills <b>and:</b></p> <ul style="list-style-type: none"> <li>▪ Automatically uses facts when solving complex problems</li> <li>▪ Applies mental math to a variety of situations</li> <li>▪ Generates algorithm for subtraction</li> <li>▪ Subtracts money in problem-solving situations</li> </ul>	<ul style="list-style-type: none"> <li>▪ Fluent with all the basic facts of subtraction</li> <li>▪ Uses mental math</li> <li>▪ Selects and applies algorithms for subtraction</li> <li>▪ Subtracts money</li> <li>▪ Solves problems in vertical and horizontal format</li> </ul> <p><b>With teacher support,</b></p> <ul style="list-style-type: none"> <li>▪ Subtracts 2-3 digit numbers with regrouping across zeros</li> </ul>	<ul style="list-style-type: none"> <li>▪ Fluent with some basic facts of subtraction</li> <li>▪ Demonstrates some proficient skills and/or requires teacher help</li> </ul>	<ul style="list-style-type: none"> <li>▪ Fluent with few basic facts of subtraction</li> <li>▪ Demonstrates few proficient skills and requires intensive teacher help</li> </ul>

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<p>Knows basic multiplication facts (WI B 4.5)</p>	<p><b>Independently</b> demonstrates proficient skills <b>and</b>:</p> <ul style="list-style-type: none"> <li>▪ Automatically uses facts when solving problems (factors 0-10)</li> <li>▪ Uses mental math</li> </ul>	<ul style="list-style-type: none"> <li>▪ Represents and explains multiplication through verbal descriptions, arrays and repeated addition (factors 0 – 10) in written work</li> <li>▪ Recalls multiplication facts (factors 0-10) in a timed situation with minimal errors</li> <li>▪ Uses mental math with teacher prompting/support</li> </ul>	<ul style="list-style-type: none"> <li>▪ Demonstrates some proficient skills and/or requires some teacher help</li> </ul>	<ul style="list-style-type: none"> <li>▪ Demonstrates few proficient skills and requires intensive teacher help</li> </ul>
<p>Understands place value (WI B 4.1)</p>	<p><b>Independently</b> demonstrates proficient skills <b>and</b>:</p> <ul style="list-style-type: none"> <li>▪ Represents and explains whole numbers through millions using place-value concepts:                             <ul style="list-style-type: none"> <li>✓ expanded notation</li> <li>✓ number lines</li> <li>✓ verbal descriptions</li> <li>✓ symbolic renaming (multiple renamings)</li> </ul> </li> <li>▪ Recognizes, uses and applies the concept of greater than, less than and equal to as well as their symbols (&gt;,&lt;=) in problem-solving situations</li> <li>▪ Compares and orders whole numbers to 500,000</li> </ul>	<ul style="list-style-type: none"> <li>▪ Represents and explains whole numbers through 10,000 using place-value concepts:                             <ul style="list-style-type: none"> <li>✓ physical materials</li> <li>✓ expanded notation</li> <li>✓ number lines</li> <li>✓ verbal descriptions</li> <li>✓ symbolic renaming (e.g. <math>43=40+3=30+13</math>)</li> </ul> </li> <li>▪ Recognizes and uses the concept of greater than, less than and equal to as well as their symbols (&gt;,&lt;=)</li> <li>▪ Compares and orders whole numbers to 10,000 using visual aids</li> </ul>	<ul style="list-style-type: none"> <li>▪ Demonstrates some proficient skills and/or requires some teacher help</li> </ul>	<ul style="list-style-type: none"> <li>▪ Demonstrates few proficient skills and requires intensive teacher help</li> </ul>

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<p>Collects, organizes, records and interprets data using graphs, tables and charts (WI A 4.2 and E 4.1)</p>	Not reported Semester 1	Not reported Semester 1	Not reported Semester 1	Not reported Semester 1
<p>Understands the basic characteristics and language of geometry (WI C 4.1, 4.2 &amp; 4.3)</p>	Not reported Semester 1	Not reported Semester 1	Not reported Semester 1	Not reported Semester 1
<p>Understands basic concepts of fractions (WI B 4.3)</p>	Not reported Semester 1	Not reported Semester 1	Not reported Semester 1	Not reported Semester 1

Semester ONE Rubric – GRADE 3

**Math**

Report Card Line	<b>4 ADVANCED</b>	<b>3 PROFICIENT</b>	<b>2 BASIC</b>	<b>1 MINIMAL</b>
Understands concepts of time (WID 4.1 & 4.3)	<p><b>Independently</b> demonstrates proficient skills <b>and:</b></p> <ul style="list-style-type: none"> <li>▪ Reads and interprets a digital/analog clock and calendar</li> <li>▪ Knows and uses correct vocabulary dealing with time (appropriate units of measurement)</li> <li>▪ Accurately determines elapsed time using a calendar</li> </ul>	<ul style="list-style-type: none"> <li>▪ Reads and interprets a digital/analog clock and calendar with visual aids</li> <li>▪ Knows and uses correct vocabulary dealing with time (appropriate units of measurement)</li> <li>▪ Tells time to the one minute interval</li> </ul>	<ul style="list-style-type: none"> <li>▪ Demonstrates some proficient skills and/or requires some teacher help</li> </ul>	<ul style="list-style-type: none"> <li>▪ Demonstrates few proficient skills and requires teacher help</li> </ul>
Understands concepts of money (WID 4.1, 4.3, 4.4 and B 4.2)	<ul style="list-style-type: none"> <li>▪ <b>Independently</b> demonstrates proficient skills <b>and:</b></li> <li>▪ Quickly uses mental math to recognize, describe, and measure monetary values to dollars and cents</li> <li>▪ Makes change up to \$10 (not by subtraction)</li> </ul>	<p>Using bills and coins, student:</p> <ul style="list-style-type: none"> <li>▪ Determines the value of a group of coins</li> <li>▪ Compares groups of coins</li> <li>▪ Begins to understand concept of orally “counting back” change</li> </ul>	<ul style="list-style-type: none"> <li>▪ Demonstrates some of the proficient skills and/or requires some teacher help</li> </ul>	<ul style="list-style-type: none"> <li>▪ Demonstrates few proficient skills and requires intensive teacher help</li> </ul>
Understands concepts of measurement (WID 4.1, 4.2, 4.3, 4.4 and 4.5)	Not reported Semester 1	Not reported Semester 1	Not reported Semester 1	Not reported Semester 1
Understands concepts of probability (WIE 4.4 & 4.5)	Not reported Semester 1	Not reported Semester 1	Not reported Semester 1	Not reported Semester 1

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Uses and communicates problem solving strategies (WI A 4.1 & 4.5)	<ul style="list-style-type: none"> <li>▪ <b>Independently</b> demonstrates proficient skills <b>and:</b> <ul style="list-style-type: none"> <li>▪ Explains solutions to math problems using mathematical language to express ideas precisely</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>▪ Uses reasoning abilities to:                             <ul style="list-style-type: none"> <li>✓ identify relationships</li> <li>✓ identify questions</li> <li>✓ choose &amp; justify strategies</li> <li>✓ check results</li> </ul> </li> <li>▪ Explains and demonstrates how a problem was solved (orally, visually or in written form)</li> <li>▪ Solves multi-step problems</li> </ul>	<ul style="list-style-type: none"> <li>▪ Demonstrates some proficient skills and/or requires some teacher help</li> </ul>	<ul style="list-style-type: none"> <li>▪ Demonstrates few proficient skills and requires intensive teacher help</li> </ul>
Works with accuracy	<ul style="list-style-type: none"> <li>▪ Work is consistently accurate</li> </ul>	<ul style="list-style-type: none"> <li>▪ Work is completed with few errors</li> </ul>	<ul style="list-style-type: none"> <li>▪ Work is completed with frequent errors</li> </ul>	<ul style="list-style-type: none"> <li>▪ Work is incomplete and/or has significant errors</li> <li>▪ Work is rarely completed with care</li> </ul>
Completes assignments on time	<ul style="list-style-type: none"> <li>▪ Completes all assignments on time and with care</li> <li>▪ Shows evidence of excellent time management</li> </ul>	<ul style="list-style-type: none"> <li>▪ Completes almost all assignments on time and with care</li> </ul>	<ul style="list-style-type: none"> <li>▪ Completes some assignments on time and with care</li> </ul>	<ul style="list-style-type: none"> <li>▪ Completes few assignments on time</li> </ul>