

## Reporting Strand 2: Primitive Data Types and Variables

Standards	4 – Mastery	3 – Proficient	2 - Basic	1 – Below Basic	0 – No Evidence
IIB2a/b, IB5a, IIIA-C, IIF2, IVA/B	<p>Can extend thinking beyond the standard, including tasks that may involve one of the following:</p> <ul style="list-style-type: none"> <li>• Designing</li> <li>• Connecting</li> <li>• Synthesizing</li> <li>• Applying</li> <li>• Justifying</li> <li>• Critiquing</li> <li>• Analyzing</li> <li>• Creating</li> <li>• Proving</li> </ul>	<p>Declare and initialize primitive data types using <b>multiple</b> syntaxes</p> <p><b>Write</b> and determine values that uses String concatenation (with + operator) and escape sequences.</p> <p><b>Write</b> and evaluate expressions (utilizing the order of operations in Java) that use %, type casting, and methods from the Math class</p> <p><b>Given a decimal, convert</b> to binary, octal and hexadecimal</p>	<p><b>Declare and initialize</b> primitive data types using one type of syntax</p> <p><b>Determine values</b> that uses String concatenation (using + operator) and escape sequences.</p> <p><b>Evaluate expressions</b> (utilizing the order of operations in Java) <b>that use %, type casting, and methods from the Math class</b></p> <p><b>Given a number in binary, octal and hexadecimal</b> convert to a decimal</p>	<p><b>Identify</b> a correct syntax which declares and initializes primitive data types (int, double, and boolean)</p> <p><b>Identify</b> correct syntax which uses String concatenation (with + operator) and escape sequences.</p> <p><b>Identify methods</b> in the Math class (including: Math.pow(), Math.sqrt(), and Math.random())</p> <p><b>Count</b> in binary, octal and hexadecimal</p>	<p>Little evidence of reasoning or application to solve the problem</p> <p>Does not meet the criteria in a level 1</p>