**Grade 6 - Math Rubric – Number Sense**

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| **Assessment Category** | **Level 1** | **Level 2** | **Level 3** | **Level 4** |
| **Knowledge and Understanding**  **The student…** |  |  |  |  |
| – decomposes and composes numbers | Limited  Knowledge | Some  Knowledge | Considerable  Knowledge | Thorough  Knowledge |
| – determines LCM & GCF for various number comparisons |
| - represents numbers using a variety of forms |
| **Thinking**  **The student…** |  |  |  |  |
| – demonstrates mathematical thinking | Limited  Effectiveness | Some  Effectiveness | Considerable  Effectiveness | High Degree of Effectiveness |
| – deconstructs problems to determine necessary information |
| – uses problem solving skills |
| **Communication**  **The student…** |  |  |  |  |
| - explains mathematical thinking | Limited  Effectiveness | Some  Effectiveness | Considerable  Effectiveness | High Degree of Effectiveness |
| - communicates using a variety  of modes (short answers,  lengthy explanations, verbal reports, diagrams, numerically) |
| - uses appropriate vocabulary  and terminology (e.g. factors, multiples, math facts) |
| **Application**  **The student…** |  |  |  |  |
| - applies number sense skills in familiar contexts | Limited  Effectiveness | Some  Effectiveness | Considerable  Effectiveness | High Degree  Of Effectiveness |
| - transfers knowledge and skills to new contexts |
| - makes connections among concepts |