**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  | LimitedKnowledge | SomeKnowledge | ConsiderableKnowledge | ThoroughKnowledge |
| – determines LCM & GCF for various number comparisons |
| - represents numbers using a variety of forms |
| **Thinking****The student…** |  |  |  |  |
| – demonstrates mathematical thinking | LimitedEffectiveness | SomeEffectiveness | ConsiderableEffectiveness | High Degree of Effectiveness |
| – deconstructs problems to determine necessary information |
| – uses problem solving skills |
| **Communication****The student…** |  |  |  |  |
| - explains mathematical thinking | LimitedEffectiveness | SomeEffectiveness | ConsiderableEffectiveness | 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  | LimitedEffectiveness | SomeEffectiveness | ConsiderableEffectiveness | High DegreeOf Effectiveness |
| - transfers knowledge and skills to new contexts  |
| - makes connections among concepts  |