|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Date Started: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Dates Updated: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | **Number and place value** | Self Assessment of Learning | | | | My Evidence  The Three D’s (demonstrate, document and defend) | |
| Information | Knowledge | Know-how | Wisdom |
| I have heard of this. | I can explain it in my own words. | I can apply it on my own and know when to use this. | I can teach this to others and can apply it to new situations. |
| Essential Learning Elements | These tasks are in my portfolio and BEST demonstrates my skills and abilities.  My evidence can be an activity, project, class/team presentation, PowerPoint presentation, Video Presentation, Photos, storyboard or other forms of my learning negotiated with my teacher. | |
| Big Ideas | I Understand | I Can |
| **ACMNA098** Identify and describe factors and multiples of whole numbers and use them to solve problems | **There are many ways to represent a number** | Represent Thousands in Different Ways |  |  |  |  | 4 |  |
| **Place value can be used to read and understand numbers in the millions** | Represent Millions in Different Ways |  |  |  |  | 6 |  |
| **Place value is used to compare and order numbers** | Compare and Order Whole Numbers |  |  |  |  | 8 |  |
| **Products can be broken down into many factors** | Find Factors using Multiplication |  |  |  |  | 54 |  |
| Multiplication properties can be used to remember basic facts | Understand Multiplication Properties |  |  |  |  | 56 |  |
| **To multiply 3 numbers start with any 2 factors** | Multiply with Three Factors |  |  |  |  | 58 |  |
| **Factors can be identified and used in any order to get the same result** | Understand Factors |  |  |  |  | 70 |  |
| **Basic facts and place value patterns can help when finding quotients** | Use Patterns to Divide |  |  |  |  | 72 |  |
| There are times when it is necessary for zero to hold a place value | Divide Using Zeroes |  |  |  |  | 76 |  |
| Division problems can have something left over | Divide with Remainders |  |  |  |  | 80 |  |