\*Learning Target:

\*Critical Content:

Equivalent Expressions –

|  |  |  |  |
| --- | --- | --- | --- |
| **Property** | **Definition** | **Symbols** | **Example** |
| **Reflexive Property** | Any quantity is equal to itself | a = a | 4 + 7 = 4 + 7 |
| **Symmetric Property** |  |  |  |
| **Transitive Property**  |  |  |  |
| **Substitution Property** |  |  |  |
| **Additive Identity** |  |  |  |
| **Additive Inverse** |  |  |  |
| **Multiplicative Identity** |  |  |  |
| **Multiplicative Property of Zero** |  |  |  |
| **Multiplicative Inverse****\*** |  |  |  |
| **Commutative Property** |  |  |  |
| **Associative Property** |  |  |  |

Ex1: Evaluate $7\left(4-3\right)-1+5∙\frac{1}{5}$. Ex1a: $2∙3+(4∙2-8)$
Name the property used in each step.

Ex2: Eric makes a list of items that he needs to buy for a party.
Find his total cost.

Ex3: Evaluate $5∙7∙4∙2$ using the properties of numbers.