**Guided Notes- Chapter 6: Dividing and Building Expressions Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**In this chapter I CAN:**

* Represent division of fractions using diagrams.
* Divide whole and mixed numbers by fractions.
* Use order of operations to find the correct value of a numerical expression
* Combine like terms and simplify algebraic expressions.
* Use a variable to represent any number.

**6.1.1 How can I share it equally**

**Dividing**

|  |
| --- |
| ***6-1*** |
|  |

|  |
| --- |
| ***6-2*** |
|  |

|  |
| --- |
| ***6-3***  |
| **a.** | **b.** |
| **c.** |

|  |
| --- |
| ***6-4***  |
|  |

**6.1.2 What does it mean to divide?**

**Fractions as Division Problems**

|  |
| --- |
| ***6-15*** |
|  |

|  |
| --- |
| ***6-16*** |
|  |

|  |
| --- |
| ***6-17*** |
|  |

|  |
| --- |
| ***6-18*** |
| ***a.*** | ***b.*** |
| ***c.*** | ***d.*** |
| ***e.*** |
| ***6-19*** |
| **a.** |
|  **b.****i.**  | **ii.** |

**6.1.3 How many pieces? What is the whole?**

**Problem Solving with Division**

|  |
| --- |
| ***6-26*** |
| **a.** |
| **b.**  |
| **c.** |

|  |
| --- |
| ***6-27*** |
| **a.** | **b.** |
| ***6-28*** |
|  |
| ***6-29*** |
| **a.** | **b.** |
| **c.** | **d.** |

|  |
| --- |
| ***6-30*** |
| **a.** |
| **b.** |
| **c.** |

**6.1.4 How does it make sense?**

**Solving Problems Involving Fraction Division**

|  |
| --- |
| ***6-43*** |
|  |
| ***6-44*** |
| **a.** | **b.** |
| ***6-45*** |
|  **a.** | **b.** |
| **c.** |
|  ***6-46*** |
| **a.** | **b.** |
| **c.**  |
| ***6-47*** |
| **a.** | **b.** |
| **c.** |
| **6-48** |
| **a.** | **b.** |
| **6-49** |
| **a.** |
| **b.** |

**6.2.1 How do I calculate it?**

**Order of Operations**

|  |
| --- |
| ***6-61*** |
| **a.** |
| **b.** |
| ***6-62*** |
| 1.
 |
| 1.
 |
| ***6-63*** |
| **a.** | **b.** |
| **c.** |
| **6-64** |
| **a.** | **b.** |
| **c.** |
| **6-65** |
| **a.** | **b.** |
| **c.** |
| **6-66** |
|  |
| **6-67** |
| **a.** | **b.** |
| **c.** | **d.** |

**6.2.2 What is the area?**

**Area of Rectangular Shapes**

|  |
| --- |
| ***6-79*** |
| **a.** | **b.** |
| **c.** | **d.** |

|  |
| --- |
| ***6-80*** |
| **a.** |
| **b.** |
| **c.** |
| **d.** |
| ***6-81*** |
| **a.** | **b.** |
| **6-82** |
|  |
| **6-83** |
| **a.** | **b.** |
| **c.** | **d.** |

**6.2.3 What is a variable?**

**Naming Perimeters of Algebra Tiles**

|  |
| --- |
| ***6-91*** |
| **a.** | **b.** |
| **c.** | ***d.*** |
| **e.** |
| ***6-92*** |
| **a.** | **b.** |
| **c.** | **d.** |
| **6-93** |
| **a.** | **b.** |
| **c.** |
| ***6-94*** |
| **a.** |
| **b.** |
| **c.** |
| **6-95** |
| **a.** | **b.** |
| **c.** |

**6.2.4 How can I rewrite it?**

**Combining Like Terms**

|  |
| --- |
| ***6-101*** |
| **a.** |
| **b.** |
| **c.**  |
| ***6-102*** |
|  |
|  |
|  |
|  |
| **6-103** |
| **a.** |
| **b.** |
| **c.** |

**6.2.5 What can a variable represent?**

**Evaluating Algebraic Expressions**

|  |
| --- |
| ***6-111*** |
| **a.** |
| **b.** |
| **c.**  |
| ***6-112*** |
|  |
|  |
|  |
|  |
|  |
| **6-113** |
| **a.** |
| **b.** |