**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**

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| ***6-1*** |
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| ***6-2*** |
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| ***6-3*** | |
| **a.** | **b.** |
| **c.** | |

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| ***6-4*** |
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**6.1.2 What does it mean to divide?**

**Fractions as Division Problems**

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| ***6-15*** |
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| ***6-16*** |
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| ***6-17*** |
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| ***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**

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

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

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

**6.1.4 How does it make sense?**

**Solving Problems Involving Fraction Division**

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| ***6-43*** | | |
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| ***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**

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| ***6-61*** | | |
| **a.** | | |
| **b.** | | |
| ***6-62*** | | |
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| ***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**

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| ***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**

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| ***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**

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

**6.2.5 What can a variable represent?**

**Evaluating Algebraic Expressions**

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