**Guided Notes- Chapter 5: Multiplying Fractions and Area Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**In this chapter I CAN:**

* Calculate a part of another part
* Discover how to multiply fractions, mixed numbers, and decimals
* Calculate the areas of shapes, including rectangles, triangles, parallelograms, and trapezoids
* Break a complex shape into smaller pieces to find area.

**5.1.1 How do I describe it?**

**Representing Fraction Multiplication**

|  |
| --- |
| ***5-1*** |
|  |

|  |  |
| --- | --- |
| ***5-2*** | |
| **a.** | **b.** |
| **c.** | **d.** |

|  |  |
| --- | --- |
| ***5-3*** | |
| **a.** | **b.** |
| **c.** | **d.** |
| **e.** |  |

**5.1.2 How big is it?**

**Describing Parts of Parts**

|  |
| --- |
| ***5-9*** |
| **a.** |
| **b.** |
| **c.** |
| **d.** |

|  |  |
| --- | --- |
| ***5-10*** | |
| **a.** | **b.** |

|  |  |
| --- | --- |
| ***5-11*** | |
|  | **b.** |
| **c.** | |

**5.1.3 How can I calculate it without drawing?**

**Calculating Parts of Parts**

|  |  |  |
| --- | --- | --- |
| ***5-18*** | | |
| **a.** | **b.** | |
| **c.** | | **d.** |

|  |  |  |  |
| --- | --- | --- | --- |
| ***5-19*** | | | |
| **a.** | | **b.** | |
| **c.** | | **D** | |
| ***5-20*** | | | |
| **a.** | **b.** | | **c.** |
| ***5-21*** | | | |
| **a.** | **b.** | | **c.** |

**5.1.4 What if they are greater than one?**

**Multiplying Mixed Numbers**

|  |  |
| --- | --- |
| ***5-29*** | |
| **a.** | |
| **b.** | |
| **c.** | |
| ***5-30*** | |
|  | |
|  | |
|  | |
| ***5-31*** | |
| **a.** | **c.** |
| **b.** | **d.** |

|  |  |
| --- | --- |
| ***5-32*** | |
| **a.** | **b.** |

|  |
| --- |
| ***5-33*** |
| **a.** |
| **b.** |
| **c.** |

**5.2.1 Does the answer make sense?**

**Making Sense of Decimal Multiplication**

|  |  |
| --- | --- |
| ***5-39*** | |
|  | |
| ***5-40*** | |
| **a.** | **b.** |
| **c.** | **d.** |
| **e.** | **f.** |
| **5-41** | |
| **a.** | **b.** |
| **c.** | **d.** |
| **e.** | |
| ***5-42*** | |
| **a.** | **b.** |
| ***5-43*** | |
| **a.** | **c.** |
| **b.** | **d.** |
| ***5-44*** | |
|  | |
| **5-45** | |
|  | |
| **5-46** | |
|  | |

**5.2.2 How will multiplying change my number?**

**Fraction Multiplication Number Sense**

|  |  |
| --- | --- |
| ***5-53*** | |
|  | |
| ***5-54*** | |
|  | |
| **5-55** | |
| **a.** | **b.** |
| ***5-56*** | |
| **a.** | **b.** |
| **c.** | **d.** |
| **e.** | |
| **5-57** | |
|  | |
| **5-58** | |
|  | |

5.3.1 What if it is not a rectangle?

Rearranging Areas

|  |  |
| --- | --- |
| ***5-66*** | |
|  | |
| **5-67** | |
|  | |
| **5-68** | |
|  | |
| **5-69** | |
| **a.** | **b.** |
| **c.** | **d.** |

5.3.2 Can I make a rectangle?

Area of Parallelogram

|  |  |
| --- | --- |
| ***5-76*** | |
|  | |
| **5-77** | |
| **a.** | |
| **b.** | |
| **5-78** | |
| **a.** | **b.** |
| **c.** | **d.** |
| **e.** | |

5.3.3 What if I add to the shape?

Area of Triangle

|  |  |
| --- | --- |
| ***5-85*** | |
| **a.** | **b.** |
| **c.** | **d.** |
| ***5-86*** | |
| **a.** | **b.** |
| **c.** | **d.** |
| **e.** | |
| **5-87** | |
|  | |
| **5-88** | |
|  | |

5.3.4 How Can I find the area?

Area of Trapezoid

|  |  |
| --- | --- |
| ***5-96*** | |
|  | |
| **5-97** | |
| **a.** | |
| **b.** | |
| **c.** | |
| **5-98** | |
| **a.** | **b.** |
| **c.** | **d.** |
| **e.** | |
| **5-99** | |
|  | |