**Guided Notes- Chapter 7: Rates and Operations Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**In this chapter I CAN:**

* - Calculate rates, including unit rates
* - Compare ratios and rates with different units
* -Divide more efficiently with fractions, mixed numbers, and decimals
* -Rewrite expressions by combining like terms and using the Distributive Property

**7.1.1 How can I compare rates?**

**Comparing Rates**

|  |  |
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| ***7-1*** | |
| **a.** | **b.** |
| **7-2** | |
|  | |

|  |  |
| --- | --- |
| ***7-3*** | |
| **a.** | **b.** |
| **c.** | |

|  |  |
| --- | --- |
| ***7-4*** | |
| **a.** | **b.** |
| **c.** | |
| **7-5** | |
| **a.** | **b.** |
| **c.** | **d.** |
| **7-6** | |
|  | |
| **7-7** | |
| **a.** | **b.** |

**7.1.2 How can I compare the rate?**

**Comparing Rates with Tables and Graphs**

|  |  |
| --- | --- |
| ***7-14*** | |
| **a.** | **b.** |
| **7-15** | |
| **a.** | **b.** |
| **c.** | **d.** |

|  |  |
| --- | --- |
| ***7-16*** | |
| **a.** | **b.** |
| **c.** | **d.** |

**7.1.3 How can I find the rate?**

**Unit Rates**

|  |  |
| --- | --- |
| ***7-24*** | |
| **a.** | |
| **b.** | **c.** |

|  |  |  |
| --- | --- | --- |
| ***7-25*** | | |
| **a.** | **b.** | |
| **c.** | | |
| ***7-26*** | | |
| **a.** | | **b.** |
| **c.** | | **d.** |
| **e.** | | **f.** |
| ***7-27*** | | |
| **a.** | | **b.** |

**7.2.1 How can I calculate it?**

**Analyzing Strategies for Dividing Fractions**

|  |  |
| --- | --- |
| ***7-35*** | |
| **a.** | |
| **b.** | |
| **7-36** | |
| **a.** | |
| **b.** | |
| ***7-37*** | |
|  | |
| **7-38** | |
| **a.** | **b.** |
| **c.** | |
| ***7-39*** | |
|  | |

|  |  |
| --- | --- |
| ***7-40*** | |
| **a.** | **b.** |
| **c.** | |

**7.2.2 Is there another way?**

**Another Strategy for Dividing Fractions**

|  |  |
| --- | --- |
| ***7-49*** | |
| **a.** | **b.** |
| **c.** | |
| ***7-50*** | |
| **a.** | |
| **b.** | |
| **7-51** | |
|  | |

**7.2.3 How can I divide?**

**Division with Fractions and Decimals**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***7-57*** | | | | |
| ***a.i.*** | ***ii.*** | | | ***iii.*** |
| ***b.i.*** | ***ii.*** | | | ***iii.*** |
| ***7-58*** | | | | |
| **a.** | | | **b.** | |
| **7-59** | | | | |
| **a.** | | **b.** | | |
| **c.** | | | | |
| ***7-60*** | | | | |
| **a.** | | **b.** | | |
| **c** | | | | |
| **7-61** | | | | |
| **a.** | | | | |
| **b.** | | | | |
| **c.** | | | | |

7.2.4 How is division like a ratio?

Fraction Division as Ratios

|  |  |  |  |
| --- | --- | --- | --- |
| ***7-69*** | | | |
| **a.** | | **b.** | |
| **c.** | | **d.** | |
| **e.** | | | |
| **7-70** | | | |
|  | | | |
| **7-71** | | | |
|  | | | |
| **7-72** | | | |
| **a.** | **b.** | | **c.** |

7.3.1 Why does it work?

Inverse Operations

|  |  |
| --- | --- |
| ***7-79*** | |
| **a.** | |
| **b.** | |
| **c.** | |
| **d.** | |
| **7-80** | |
| **a.** | **b.** |
| **c.** | |
| **7-81** | |
| **a.** | **b.** |
| **c.** | **d.** |
| **7-82** | |
| **a.** | **b.** |
| **c.** | |
| **7-83** | |
| **a.** | **b.** |
| **c.** | **d.** |
| **7-84** | |
|  | |

7.3.2 How can I write it?

Distributive Property

|  |  |
| --- | --- |
| ***7-91*** | |
|  | |
| ***7-92*** | |
|  | |
| **a.** | **b.** |
| **c.** | **d.** |
| **7-93** | |
|  | |
| **7-94** | |
| **a.** | **b.** |
| **7-95** | |
| **a.** | **B** |
| **c.** | |

7.3.3 How can I talk about it?

Distributive Property and Expressions Vocabulary

|  |  |
| --- | --- |
| ***7-101*** | |
| **a.** | **b.** |
| **c.** | |
| **7-102** | |
| **a.** | **b.** |
| **c.** | **d.** |
| **7-103** | |
| **a.** | **b.** |
| **c.** | **d.** |
| **e.** | |
| **5-104** | |
| **a.** | **b.** |
| **c.** | **d.** |
| **e.** | |

7.3.4 How can I find the unknown?

Writing Algebraic Equations and Inequalities

|  |  |
| --- | --- |
| ***7-112*** | |
| **a.** | **b.** |
| **c.** | **d.** |
| **e.** | |
| **7-113** | |
| **a.** | **b.** |
| **c.** | **d.** |
| **7-114** | |
| **a.** | **b.** |
| **c.** | **d.** |
| **7-115** | |
| **a.** | **b.** |
| **7-116** | |
| **a.** | **b.** |
| **c.** | **d.** |
| **7-117** | |
| **a.** | **b.** |
| **c.** | **d** |
| **e.** | |
| **7-118** | |
| **a.** | **b.** |
| **c.** | |
| **7-119** | |
|  | |