**Unit 2 Study Guide: Ratios and Proportions**

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Due Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**What are the 3 ways to write a ratio? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| **Ratios Standard- RP.1**  |
| C:\Users\rankinm\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.Outlook\SO0I2D8D\file-8 (002).jpeg |  | 1. Write the ratio of chocolate to rocky road all three ways. Simplify if possible.
 | 1. Write the ratio of strawberry to total ice cream flavors all three ways. Simplify if possible.
 |
| 1. Write the ratio of vanilla to strawberry all three ways. Simplify if possible.
 | 1. Write the ratio of chocolate to vanilla & strawberry in all three ways. Simplify if possible.
 | 1. Write the ratio of the number of people whose favorite flavor is chocolate and rocky road to all people. Simplify if possible.
 | 1. Write the ratio of peanut butter to strawberry and chocolate. Simplify if possible.
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| **Unit Rate Standard-RP.2, 3b**  |
| 1. Food Mart sells 12 water bottles for $2.69. What is the unit price per water bottle at Food Mart?
 | 1. Roger’s Market sells 6 water bottles for $1.49. What is the unit price per water bottle at Roger’s Market?
 | 1. Save-A-Lot sells 36 water bottles for $5.99. What is the unit price at Save-A-Lot?
 | 1. Which store has the best unit price for water bottles? Explain in complete sentences how you know.
 |
| 1. Denise does 225 jumping jacks in 3 minutes. At this rate, how many jumping jacks can she do in 5 minutes?
 | 1. Target charges $2.49 for 3 candy bars. How much does Target charge for 7 candy bars?
 | 1. A car travels 450 miles in 6 hours. How far did the car travel in 9 hours?
 | 1. Kroger charges $18.32 for 8 lbs of chicken. How much does Kroger charge for 3 lbs of chicken?
 |
| **Ratio Tables Standard-RP.3a** |
| 1. Luis bakes pancakes with a ratio of flour to liquid of 3 to 2. Use this information to complete the table below

|  |  |
| --- | --- |
| Flour (cups) | Liquid (cups) |
|  |  |
| 6 |  |
| 15 |  |
|  | 24 |

 | 1. John is making floral arrangements for the nursing home. John has a ratio of 7 roses to 9 sunflowers. Use this information to complete the table below.

|  |  |
| --- | --- |
| Roses | Sunflowers |
|  | 9 |
|  | 36 |
| 49 |  |
| 70 |  |

 | 1. Ms. Rankin saved $760 in 8 months to renew her annual pass to Disney World. Complete the table to show Ms. Rankin’s savings.

|  |  |
| --- | --- |
| Months | Savings |
| 1 |  |
|  | $285 |
| 5 |  |
|  | $665 |

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| **Graphing Ratio Table Standard- RP.3a**  |
| 1. Plot your ratio table for question 15 in the space provided. Be sure to label and title your graph.

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 | 1. Plot your ratio table for question 16 in the space provided. Be sure to label and title your graph.

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 | 1. Plot your ratio table for question 17 in the space provided. Be sure to label and title your graph.

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| **Equivalent Ratios Standard- RP.3a, 3d**  |
| 1. George’s dad is booking a hotel for their upcoming family vacation. He wants to spend no more than $85 per day. Circle all of the hotels that fit into their budget?
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|  |  |
| --- | --- |
| **Hotel:**  | **Amount Charged:** |
| Hilton | $180 for 2 days |
| Hampton Inn | $336 for 4 days  |
| Best Western | $255 for 3 days |
| Marriott  | $465 for 5 days |

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