**Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**MONDAY**

1. Explain what a variable is: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Directions: Solve for the variable**

2) ☺ x 5 = 100 3) 492 - ✔= 284

 ☺ = \_\_\_\_\_ ✔ = \_\_\_\_\_\_\_

4) 63 ÷ u = 9 5) 45, 829 + 3,492 = ****

u = \_\_\_\_\_ ** = \_\_\_\_\_\_\_\_**



**Review: Find the rule and next three terms.**

25, 32, 28, 35, 31, 38

**Variables/Open Sentences HW**

**TUESDAY**

**Answer the following test formatted questions involving variables.**

**1 Which represents the unknown value in the following statement? s + 3 = 12**

 **A** + **C** 3

 **B** s **D** 12

**2 Nick is paid $6.00 per hour, and last week he earned $150.00. What does the x represent in the equation 6x = 150 ?**

 **F** The number of hours Nick worked yesterday

 **G** The number of days Nick worked last month

 **H** The number of hours Nick worked last week

 **J** The number of days Nick worked last week

**3 Tammy has 96 markers that she is placing into bags for a class project. She places 8 markers in each bag. Which number sentence shows the number of bags, n, she will need?**

 **F** 8 + n = 96 **H** 8 ÷ n = 96

 **G** 96 × 8 = n **J** 96 ÷ 8 = n

**4 Bonnie earns $8 per hour from her job at the ice cream shop. Last week her paycheck was $80. Which number sentence could be used to find h, the number of hours Bonnie worked?**

 **A** h x 8 = 80 **C** h − 8 = 80

 **B** h + 8 = 80 **D** h ÷ 8 = 80

**WEDNESDAY**

1. Explain what an open sentence is: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Directions: Draw the model for each of the following using the key then write the value for r.**

**Key: = r = 1**

|  |  |
| --- | --- |
| 1. r + 2 = 9=r = \_\_\_\_\_ | 2. 6 + r = 11=r = \_\_\_\_\_ |
| 3. 6 – 5 = r=r = \_\_\_\_\_ | 4. 15 – 2 = r=r = \_\_\_\_\_ |

**Review: Solve the following decimal computation problems.**

5) 638.27 + 78.94 6) 4.9 – 2.78 7) 6.7 x 3.8

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**THURSDAY**

**Directions: Write an equation for the model below.**

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Equation \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_



**Review**

Ryan went to the movies. He bought a movie ticket for $3.50, a soda for $2, and two boxes of popcorn for $2.50 each. If Ryan paid with a twenty-dollar bill, how much change did he receive?