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

**MONDAY**

**Part I: Fill in the next two figures in the patterns below.**

****

**Part II: Find the rule for each function table.**





|  |  |
| --- | --- |
| **Stem** | **Leaf** |
|  |  |
|  |  |
|  |  |
|  |  |



**Patterns HW**

**TUESDAY**

**Part I: Look at the pattern to answer the following.**

What would be the sixteenth item in this pattern?

**Part II - Review: use the data below to create a stem/leaf plot.**

****

**WEDNESDAY**

**Part I: Use the table to answer the following question.**

|  |  |
| --- | --- |
| **Number of Hamburgers** | **Total Cost** |
| 1 | $2.25 |
| 2 | $4.50 |
| 3 | $6.75 |
| 4 |  |
| 5 | $11.25 |

1) Using the table above, what would be the cost of four hamburgers?

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

2) Which best describes the location of X on the number line?



A) 25 B) 27 C) 29 D) 30

**Part II: What number is missing from the sequence?**

3) 4, \_\_\_\_, 16, 32, 64, 128

4) 1, 5, \_\_\_\_\_, 125, 625, 3125

5) 1, 2, 5, 10, 17, 26, 37, \_\_\_\_\_

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**THURSDAY**

**Directions: Create the pattern and then find the rule.**









