**DAY 2**

**Overview:**  Prime Numbers / Composite Numbers / Factors / Multiples

**Estimated Time:** Approximately 45 minutes

**Explanation:**Today you will review prime and composite numbers, as well as complete activities using your knowledge of factors and multiples.

**Things to know:**

* The following definitions can be used while completing the tasks for today.
  + prime number – a prime number has only two different factors, (1 and itself)
  + composite number – a composite number has more than 2 different factors.
  + factor – 12 can be divided exactly by 2. So, 2 is a factor of 12.
  + multiple – a multiple of a number is the product of the number and any other whole number except zero.
* To review Prime Numbers / Composite Numbers / Factors / Multiples, please reference your workbook pages 1-34 (Chapter 1).

**Tasks:**

* Continue recording the daily temperature on your chart.
* Prime/Composite:
  + Shuffle your set of number cards that you made yesterday.
    - Flip over one card at a time. Determine if the number on the card is a prime number of a composite number.
  + Shuffle your set of number cards again.
    - This time flip over two cards creating a 2-digit number
      * (ex: if you flip over a 4, then a 2, your number would be 42)
    - Determine if the number on the card is a prime number or a composite number.
  + Complete the PRIME/COMPOSITE T-Chart worksheet page- found in your E-MAIL.
    - You may develop numbers on your own or use your number cards to create numbers to sort into each category.
* Factors:
  + Locate 5 numbers in your house. Each number must be a two-digit number. Fill in the Factors Chart for all 5 numbers. Chart found in your E-MAIL (same document as above).
* Multiples:
  + Complete the Multiples worksheet by writing the next multiples of a chosen number. You pick the number to start with! Use a calculator to help you!