**Problem Solving Activity**

**1.** There is a green house. Everything in the house is green. The walls are green, the floors are green, the bathrooms are green, the doors are green, the carpet is green. What colors are the stairs.

**2.** Some months have 31 days, but how many months have 28 days?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**3.** Unscramble these 2 words:

GITVHKGINASN = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

GHMTIAROL =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**4.** There are 3 apples. You take 2. How many apples do you have?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**5.** Which letters come next in the sequence? J, F, M, A, M, J, J, \_\_\_\_, \_\_\_\_, \_\_\_\_, \_\_\_\_, \_\_\_\_.

**6.** Which letters come next in the sequence? o, t, t, f, f, \_\_\_\_, \_\_\_\_, \_\_\_\_, \_\_\_\_, \_\_\_\_.

**7.** Can you cross out six letters from this series and leave the name of a famous city?

**SHIAX LVEATT ENRAS**

**8.** What is the fewest number of lines you have to move to make this Roman numeral equation correct?

**XI + I = X**

**9.** Solve the Sudoku Puzzle below:

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **6** |  |  |  |  |  |  |  |
| **9** |  |  |  |  |  | **4** | **2** |  |
| **3** |  |  |  |  | **6** |  |  |  |
|  |  |  |  |  | **4** | **1** |  | **5** |
|  |  |  |  | **6** |  |  |  | **2** |
| **2** | **3** | **7** |  |  |  |  |  | **8** |
|  |  |  |  |  | **5** |  |  |  |
|  |  |  | **1** |  |  | **3** | **7** |  |
|  |  | **4** |  | **8** | **7** |  |  |  |