**Activity 8.1.3** **Using Technology with Matrices**

The following matrices contain information for the first two-weeks of the reduce-reuse-recycle project.

Use your calculator to solve the following problems. Be sure to write down the matrix answer.

1. Is . What property of real numbers does this exemplify?
2. Is ? Explain/Justify
3. Is ? Explain/Justify
4. Find . A) What does this equal? B) What law appears to be working?
5. Let’s revisit the reduce-reuse-recycle example from **Activities 8.1.1** and **8.1.2**. How can we use the calculator to find the average daily collections at all of the sites for the week?
6. Compare the average daily collections at all of the sites in the first week versus the average daily collections at all of the sites in the second week. You may want to set up your calculator to round entries to nearest tenth.

Write down the full matrices in the space below:

1. Use your graphing calculator to compare with . Explain your results in terms of properties of matrices.