6th Grade Math
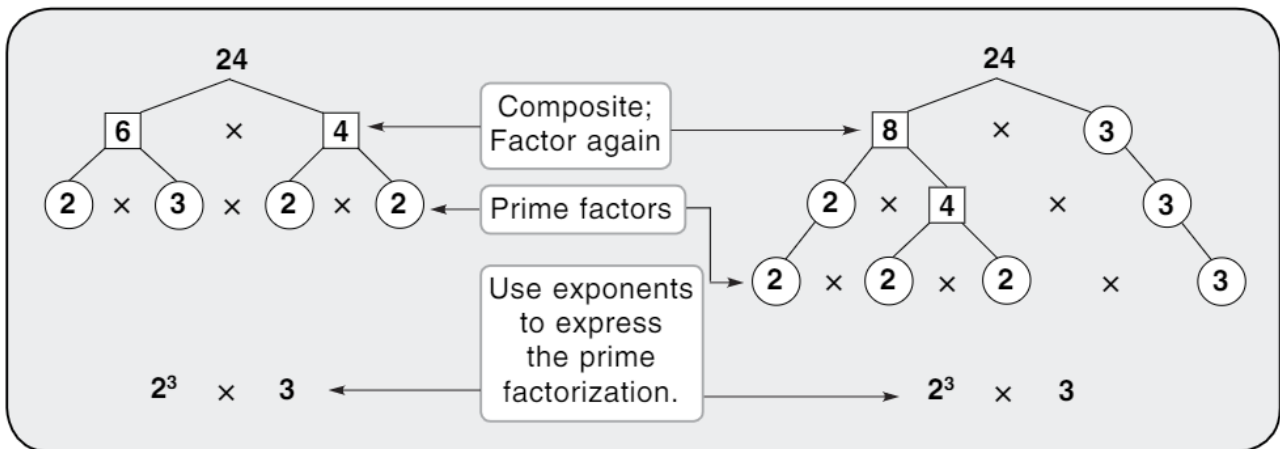Week of April 27th – May 1st
Assignment #3

Write your answers to problems 1 - 15 in the blanks below.

Prime Factorization

Name _____

Date _____

Express each in exponential form. Then find the product.

1. $7 \times 2 \times 7$

2. $3 \times 3 \times 3 \times 5 \times 5$

3. $5 \times 2 \times 5 \times 2$

_____   _____   _____

Find the prime factorization and write in exponential form.

4. 98   **5.** 81   **6.** 75   **7.** 54

_____   _____   _____   _____

8. 90   **9.** 84   **10.** 32   **11.** 63

_____   _____   _____   _____

Find the prime factorization. Use the divisibility rules and a factor tree to help.

12. 56   **13.** 279   **14.** 560   **15.** 225

_____   _____   _____   _____