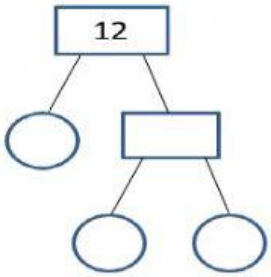
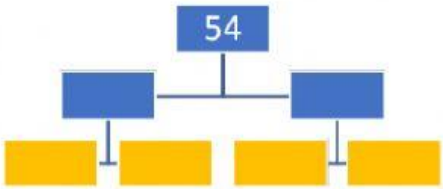
Name: _____

Factors and Multiples

Answer the following questions:

1. List **ALL** the **factors** of 18 in order from **least to greatest**:	2. List **ALL** the **factors** of 20 in order from **least to greatest**:
3. Write the definition of a **PRIME** number in **your own words.** Then, give **TWO** examples. Definition: Examples:	4. Write the definition of a **COMPOSITE** number in **your own words**. Then, give **TWO** examples. Definition: Examples:
5. List the first seven **multiples** of the number 4:	6. List the first seven **multiples** of the number 6:
7. Use a **FACTOR TREE** to write the **PRIME FACTORIZATION** of the following number in **EXPONENTIAL** form. Show your work!  Prime Factorization:	8. Use a **FACTOR TREE** to write the **PRIME FACTORIZATION** of the following number in **EXPONENTIAL** form. Show your work!  Prime Factorization:
9. Answer with **TRUE** or **FALSE**. Then, **EXPLAIN** why: The PRIME FACTORIZATION of 44 is (4 x 11).	10. Answer with **TRUE** or **FALSE**. Then, **EXPLAIN** why: 27, 45, and 90 are all MULTIPLES of 9.

LIVEWORKSHEETS