**Answer the following questions on a separate sheet of paper.**

1. List all the factors of 24.
2. Is 4 a factor of 46? Explain.
3. What is the GCF of 8 and 12?
4. Keelii picked 8 tulips and 24 daffodils. She divided the flowers into groups so that the same number of tulips and daffodils were in each bouquet. What is the greatest number of bouquets she could have made?
5. List the first 5 multiples of 9.
6. Is 96 a multiple of 12?
7. Every fourth visitor to a restaurant gets a free soda. Every tenth visitor to that same restaurant gets a free side order of their choice. Which visitor each day will be the first one to get BOTH the soda and side order or their choice?
8. Isabella has two email accounts. She checks one of them every 2 hours. The other one she uses less often. She only checks it every 48 hours. She checked each account on Monday at 3 p.m. When will she again check each account at the same time?
9. Name a pair of numbers that have a GCF of 3.
10. Name a pair of numbers that have an LCM of 12.
11. Express 18 + 24 as the product of the GCF and another sum.
12. Put the following numbers in order from least to greatest.
    1. -1, 0, 3, 2, 2, -2, 0, 1, 4, -3
13. Is 12 a common factor or a common multiple of 3 and 4?
14. Nike solved a problem by making these lists. Is Nike solving a GCF or an LCM problem?
    1. 10: 10, 20, 30, 40, 50 …
    2. 15: 15, 30, 45, 60, 75 …
15. What is the GCF of 48 and 36?
16. Make a list of 4 possible pairs of numbers that have an LCM of 36.
17. Make a list of 4 possible pairs of numbers that have a GCF of 7.
18. Madilyn has to put the greatest number of bolts and nuts in each box so that each box has the same number of bolts and the same number of nuts. Should Madilyn use the greatest common factor or the least common multiple to solve the problem?
19. An absolute value must **always** be a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ number.