Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Class: \_\_\_\_\_\_\_\_\_\_

GCF/LCM with Prime Factorization Date: \_\_\_\_\_\_\_\_\_\_\_

Directions: Find the greatest common factor and least common multiple for each set of numbers using the prime factorization method.

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| --- |
| 8 , 20  GCF: \_\_\_\_\_\_\_\_\_\_\_\_\_\_  LCM: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 12 , 21  GCF: \_\_\_\_\_\_\_\_\_\_\_\_\_\_  LCM: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 16 , 48  GCF: \_\_\_\_\_\_\_\_\_\_\_\_\_\_  LCM: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 15 , 40  GCF: \_\_\_\_\_\_\_\_\_\_\_\_\_\_  LCM: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 20 , 36  GCF: \_\_\_\_\_\_\_\_\_\_\_\_\_\_  LCM: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

Explain the prime factorization method to find GCF and LCM. Remember to use math vocabulary!

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