Prime Factorization Intro

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

Make a factor tree for the following numbers and then decide if the number is prime or composite. Check for prime factors 2, 3, 5, 7, 11, 13

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| 40  Prime Factorization: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Prime or Composite? | 22  Prime Factorization:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Prime or Composite? |
| 19  Prime Factorization: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Prime or Composite? | 50  Prime Factorization: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Prime or Composite? |

What number is this the prime factorization of:

1. 3 x 3 x 3 x 5
2. 2 x 2 x 2 x 7
3. 2 x 3 x 5 x 7 x 11