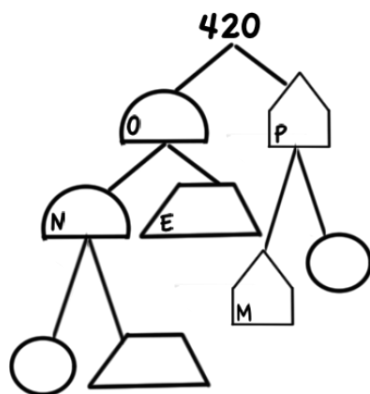
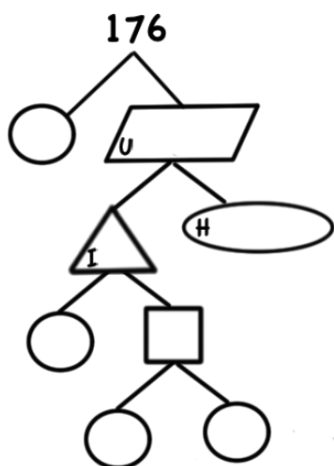
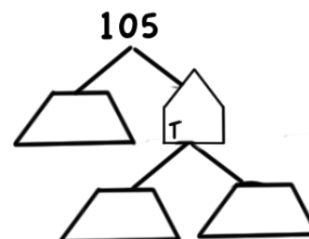
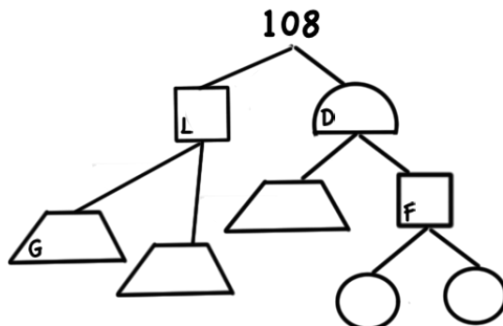
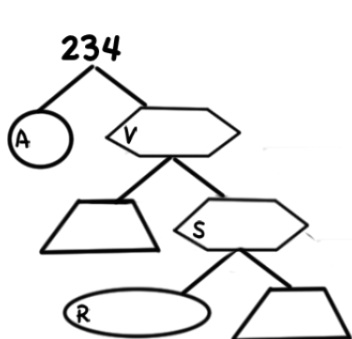


# Prime Factorization

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

**Directions:** Complete the factor trees below. To be sure that you are completing them correctly, pay close attention to the “Key” on the right. Use your answers to solve the riddle below. You must fill in **all** the numbers for the puzzle.

**Note:** Any shapes can represent more than one number.



### Key

- = smallest prime number
- = prime greater than 2, but less than 10
- = prime greater than 10
- = divisible by 2 and 3
- = divisible by 5
- = square number
- = cube number
- = odd number greater than 30
- = even number greater than 50

What did 2 say to the other prime numbers?

