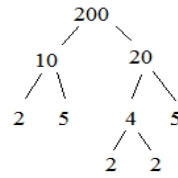
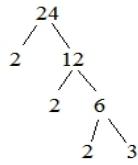


Factor Tree Applications

What is a factor tree?

A branching diagram showing the factors of number.

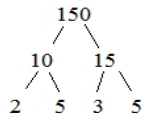
Examples:



Note: the end of each branch is a prime number.

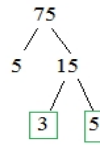
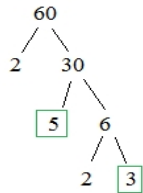
Applications:

1) Displaying all prime factors



2, 3, and 5 are all prime factors

2) Finding greatest common factor



Since 3 and 5 are common factors, the greatest common factor is $3 \times 5 = 15$