Algebra I

5-1 Factoring Integers

Prime Numbers - A number with exactly +wo factors, one and itself.

Composite Numbers - A number with more than two Factors.

I is called the identity.

What is the smallest prime number? 2

List all factor pairs of each integer

3) 24 **2 1,24**

± 2,12 ± 3,8 ± 4,6 Prime Factorization - Make a tree.

25) 75

35) 450

45 10

7552

353

Find the prime factorization of each number.

Greatest Common Factor - The least of each

Least Common Multiple - The most of each

Find the GCF and LCM of each group of numbers.

41) 66, 90

11 6 9 10 23=6 32 33 6 23 5 11 23?

Find the GCF and LCM of each group of numbers.

23.34.55.7.13.17

25.32.73.11.132

GCF 23.33.7.13

LCM 25.34.55.73.11.132.17



