Name:_____

Prime Factorization

Factors are numbers that you multiply together to get another number.
When a factor is a prime number, it is called a prime factor. For example, the prime
factors of 12 are 2 x 2 x 3. So 2, 2, and 3 are prime factors of 12.

Find the prime factors of the numbers below. See the example.

16 = 2 x 8
= 2 x 2 x 4
= 2 x 2 x 2 x 2

36 = 4 x 9
= ☐ x ☐ x ☐ x ☐

48 = 4 x 12
= ☐ x ☐ x ☐ x ☐
= ☐ x ☐ x ☐ x ☐ x ☐

56 = 7 x ☐
= ☐ x ☐ x ☐
= ☐ x ☐ x ☐ x ☐