# Macintosh HD:Users:Amit:Progs:ExcelerateLive:HTML:ml.png Excelerate Lesson Plan

**Prime Numbers**

**About These Problems**

**A prime number is just a number that is only divisible by itself and 1. The only even number that is prime is 2. A prime factorization of a number is a factorization of it using only prime numbers.**

**Question.** Which of the following is the correct prime factorization of 60.

1. 2\*2\*3\*5
2. 2\*3\*10
3. 2\*3\*5\*7
4. 2\*2\*2\*5
5. 2\*2\*2\*2\*5

**Answer.** **1**: The only option above equal to 60 is 1 and 2. But in option 2 they use 10 which is not a prime so that leaves option 1.