Factors and Multiples
Practice Quiz

K 1. List all of the factors of 48.

C 2. Is 81 a prime or a composite number? Explain your thinking and provide
   mathematical proof.

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A 3. Create a factor tree to show 72 as a product of prime numbers.

K 4. What is the Greatest Common Factor (GCF) of the numbers 30 and 45? Show your work.

A 5. Christian the Chef is having a BBQ to celebrate his birthday! He wants to BBQ hamburgers for his friends. The meat comes in packages of 10, but the buns come in packages of 12. Christian wants to make hamburgers and have no leftover meat or buns.

   a) How many packages of meat and buns could he buy so that he doesn't have any leftovers?

   b) How many hamburgers would this make?

K You are finished your quiz. Please go through the entire quiz and double-check your answers! Have you shown your calculations and explained your thinking?