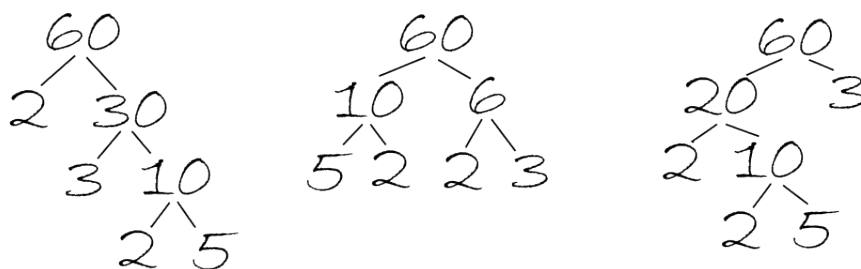


MATH CHALLENGE PROBLEM

for February 2017

Counting Factor Trees



We all learned how to factor numbers back in grade school using *factor trees*. In college, you might learn that no matter how you build the factor tree, the resulting prime factors will be the same. For example, the picture above shows a few different factor trees that have the same resulting prime factorization. You might also learn in college that the journey is more important than the destination. Thus. . .

The Challenge: How many different factor trees does the number 510,510 have?

Submit solutions to Ross 2239G or oscar.levin@unco.edu by **Tuesday, February 28**.

The best solution will WIN A PRIZE!

Prizes include nifty Rubik's style puzzle cubes, math puzzle books, math games, even a math coloring book. So submit your answer TODAY!