

Name :

Math 170 – 2 –

Is the number 251 prime? How many divisibilities do we need to check in order to see this?

Decompose the number 2008 into its prime factors.

Find the greatest common divisor of 38 and 42. This is easy without using the Euclidean algorithm but let's use it here to see how it works.

Find a prime factorization of the number $10!$

Find an inverse of 2 modulo 21. Find an inverse of 4 mod 17.