

# N4 Inverses Tivenan

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## 1 A Simple Test

A simple test that I tried was modulo 6. I wanted to see if there were any divisors of 6 that produce a remainder of 1. There was one element that produced a remainder 1 and that was 5. Consider the product of 5 and 1 or 5 and 5. They both have a remainder of 1 in terms of a number which is divisible by 6 (6 and 24). There are no other elements in modulo 6, that produce the identity element 1.