gcd_mul[2,24]

$\forall a,\, b,\, n{:}\mathbb{Z}.\ (n{\cdot}\mathrm{gcd}(a;b)) \sim \mathrm{gcd}(n{\cdot}a;n{\cdot}b)$

http://www.nuprl.org/FDLcontent/p0_399846_/p83_7693_{gcd_mul}.html