Choose arbitrary values for numerator and denominator
numerator = 154635724
print type(numerator)
denominator = 2351
print type(denominator)

# Initialize quotient
quotient = 0

# Subtract denominator from numerator as many times as possible
# Increment quotient by 1 each time
while numerator > denominator:
    quotient = quotient + 1
    numerator = numerator - denominator

# Print results
print 'Quotient =', quotient
print 'Remainder =', numerator