

$E=mc^2$ Calculator – Sample Calculations

Mass to Energy ($E=mc^2$):

Mass: 1 kg → Energy: 8.987552e+16 J
Mass: 0.1 kg → Energy: 8.987552e+15 J
Mass: 5 kg → Energy: 4.493776e+17 J
Mass: 10 kg → Energy: 8.987552e+17 J
Mass: 50 kg → Energy: 4.493776e+18 J
Mass: 100 kg → Energy: 8.987552e+18 J
Mass: 1000.0 kg → Energy: 8.987552e+19 J
Mass: 1000000.0 kg → Energy: 8.987552e+22 J
Mass: 0.001 kg → Energy: 8.987552e+13 J
Mass: 2.5 kg → Energy: 2.246888e+17 J

Energy to Mass ($m=E/c^2$):

Energy: 1.000000e+10 J → Mass: 1.112650e-07 kg
Energy: 1.000000e+12 J → Mass: 1.112650e-05 kg
Energy: 5.000000e+14 J → Mass: 5.563250e-03 kg
Energy: 1.000000e+18 J → Mass: 1.112650e+01 kg
Energy: 5.000000e+20 J → Mass: 5.563250e+03 kg
Energy: 1.000000e+22 J → Mass: 1.112650e+05 kg
Energy: 1.000000e+25 J → Mass: 1.112650e+08 kg
Energy: 1.000000e+30 J → Mass: 1.112650e+13 kg
Energy: 5.000000e+05 J → Mass: 5.563250e-12 kg
Energy: 2.500000e+08 J → Mass: 2.781625e-09 kg