6. $\frac{1.6726 \times 10^{-24}}{9.1093 \times 10^{-28}} = 0.18361 \times 10^{-24-(-28)}$

$= 0.18361 \times 10^{-24+(+28)}$

$= 0.18361 \times 10^{4}$

Scientific notation

1.8361×10^{3} or 1836 times larger

7. $(1.6726 \times 10^{-24}) - (9.1093 \times 10^{-28}) =$

convert to the same exponent $= .0009.1093$

$= 0.00091093 \times 10^{-24}$

$1.6726\,0000 \times 10^{-24}$

$- 0.0009109\,3 \times 10^{-24}$

$1.6715\,8907 \times 10^{-24}$ then round to 5 significant digits

$= 1.6717 \times 10^{-24}$