

Significant Figures Follow-up Practice

1.) $37.76 + 3.907 + 226.4 = \textcolor{red}{268.1}$

2.) $319.15 - 32.614 = \textcolor{red}{286.54}$

3.) $104.630 + 27.08362 + 0.61 = \textcolor{red}{132.32}$

4.) $125 - 0.23 + 4.109 = \textcolor{red}{129}$

5.) $2.02 \times 2.5 = \textcolor{red}{5.1}$

6.) $600.0 / 5.2302 = \textcolor{red}{114.7}$

7.) $0.0032 \times 273 = \textcolor{red}{0.87}$

8.) $(5.5)^3 = \textcolor{red}{1.7 \times 10^2}$

9.) $0.556 \times (40 - 32.5) = \textcolor{red}{4}$

10.) $45 \times 3.00 = \textcolor{red}{1.4 \times 10^2}$

11.) $3.00 \times 10^5 - 1.5 \times 10^2 =$ (Give the exact numerical result, then express it the correct number of significant figures).

Answer = 3.00×10^5

12.) What is the average of 0.1707, 0.1713, 0.1720, 0.1704, and 0.1715?

Answer = 0.1712