

Mandalay International Science Academy

Unit 1: Quiz #3

Calculating with Numbers and Decimals

A) Perform the following operations. Please round to the nearest significant figure.

e.g. $5.00 \rightarrow 5$; $9.40 \rightarrow 9.4$

- 1) $3.141 + 2.7 =$
- 2) $0.5 - 9.86 =$
- 3) $6.7 + (-3.2) =$
- 4) $(-3.11) - 0.972 =$
- 5) $25 \times 0.07 =$
- 6) $1.6 \times (-12) =$
- 7) $(-1.12) \times (-4) =$
- 8) $3.14 \times 1.6 =$
- 9) $(-0.35) \times 0.4 =$
- 10) $(-1.68) \times (-2.7) =$

B) Perform the following operations. Please round to the nearest significant figure.

e.g. $5.00 \rightarrow 5$; $9.40 \rightarrow 9.4$

11) $1.14 \div 3 =$

12) $24.3 \div (-9) =$

13) $(-2.12) \div (-2) =$

C) Perform the following operations. Please round to the nearest significant figure.

e.g. $5.00 \rightarrow 5$; $9.40 \rightarrow 9.4$

14) $25 \div 0.4 =$

15) $96 \div (-1.6) =$

16) $(-375) \div (-1.5) =$

17) $12.8 \div 0.8 =$

18) $0.96 \div (-2.4) =$

19) $(-1.12) \div (-0.7) =$

D) Perform the following operations. Please round to the nearest significant figure.

e.g. $5.00 \rightarrow 5$; $9.40 \rightarrow 9.4$

20) $(1.8 \times 6.1) \div 9 =$

21) $1.8 \times 6.1 \div 9 =$

22) $2.5 \times (8.7 + 1.2) =$

23) $2.5 \times 8.7 + 1.2 =$

24) $(8.4 - 4.8) \div 1.2 =$

25) $8.4 - 4.8 \div 1.2 =$

26) $(0.4 \times 1.4) + (2.2 \div 5) =$

27) $0.4 \times 1.4 + 2.2 \div 5 =$