2. In any calculation involving *multiplication or division*, the answer should be rounded off to ___LEAST # OF SIG. DIGS.___

3. In any calculation involving *addition or subtraction*, the answer should be rounded off to ___LEAST # OF DEC. PLACES___

4. Determine the correct answers to the following and express them with the CORRECT number of **significant digits**.

   a) $32.56 \div 2.3$ Answer ___(14)___

   b) 7.809×3.21 Answer ___(25.1)___

   c) $9.0 \times 10^{32} \times 3.0000$ Answer ___(2.7×10^{33})___

   d) $0.0054 \div 0.12$ Answer ___(0.045)___

   e) $(2.020 \times 10^3) \times (2.80000 \times 10^{-2})$ Answer (56.56) or (5.656×10^1)

   f) $2.345 + 2.1$ Answer ___(4.4)___

   ġ) $4.5 - 7.987$ Answer ___(−3.5)___

   h) $2.5785 + 6.752$ Answer ___(9.331)___

   i) $2.3000 + 0.00695$ Answer ___(2.3070)___

   j) $320 + 1000$ Answer ___(1320)___ or 1320.

5. Round the following to 3 significant digits.

   a) 0.009078 Answer ___$(0.00908$ or $9.08 \times 10^{-3})$___

   b) $3\ 555\ 800$ Answer ___$(3\ 560\ 000$ or $3.56 \times 10^6)$___

   c) 3.463×10^3 Answer ___(3.46×10^3)___

   d) 0.0023548 Answer ___$(0.00235$ or $2.35 \times 10^{-3})$___

   e) 1.005×10^4 Answer ___(1.01×10^4)___

   f) 3.9004 Answer ___(3.90)___