

Name: Key.

### Multiplying/Dividing & Adding/Subtracting with SigFigs

#### Multiplying/Dividing:

1.  $6.2 \times 3.45 =$  21      2.  $(3.40)(7.61) =$  25.9  
3.  $(0.0101)(250) =$  2.5      4.  $(1250)(0.0200) =$  25.0  
5.  $(2.61 \times 10^3)(1.00 \times 10^2) =$   $2.61 \times 10^5$       6.  $(6.70 \times 10^{-5})(7.010 \times 10^2) =$   $4.70 \times 10^{-6}$   
7.  $(7.8) / (2.543) =$  3.1      8.  $(100.0) / (34.0) =$  2.94  
9.  $(1.08 \times 10^{-1}) / (1.0 \times 10^2) =$   $1.1 \times 10^{-3}$       10.  $(2.50 \times 10^4) / 30 =$  800  
11.  $\frac{(4.22 \times 10^{-3})(3.6 \times 10^4)}{(2.62 \times 10^{-1})} =$  580

#### Adding/Subtracting:

12.  $23.2 + 8.34 =$  31.5      13.  $52.34 - 0.04 =$  52.30  
14.  $2.55 + 7.689 - 0.8 =$  WAW 9.4      15.  $1 + 45.6 =$  47  
16.  $120 + 1236 - 0.56 =$  1360      17.  $0.000045 - 0.0000045 =$  0.000041  
18.  $3.4 \times 10^{-2} + 2.543 \times 10^{-1} =$  0.288  
19.  $6.00 \times 10^4 - 1.0 \times 10^3 =$   $5.90 \times 10^4$

#### Mixed Calculations (TOUGH):

20.  $(0.341 \times 18.64 - 6.00) \times 3.176 =$  ~~7.7~~ 1.1  
21.  $\frac{(0.3812 + 0.4176)}{(0.0159 - 0.0146)} =$  610