

Name: Key.

Multiplying/Dividing & Adding/Subtracting with SigFigs

Multiplying/Dividing:

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

Adding/Subtracting:

- $23.2 + 8.34 =$ 31.5
- $52.34 - 0.04 =$ 52.30
- $2.55 + 7.689 - 0.8 =$ ~~41.229~~ 9.4
- $1 + 45.6 =$ 47
- $120 + 1236 - 0.56 =$ 1360
- $0.000045 - 0.0000045 =$ 0.000041
- $3.4 \times 10^{-2} + 2.543 \times 10^{-1} =$ 0.288
- $6.00 \times 10^4 - 1.0 \times 10^3 =$ 5.90×10^4

Mixed Calculations (TOUGH):

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