

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. $(2.61 \times 10^3)(1.00 \times 10^2) =$ 2.61×10^5 6. $(6.70 \times 10^{-5})(7.010 \times 10^{-2}) =$ 4.70×10^{-6}
7. $(7.8) / (2.543) =$ 3.1 8. $(100.0) / (34.0) =$ 2.94
9. $(1.08 \times 10^{-1}) / (1.0 \times 10^2) =$ 1.1×10^{-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. $2.55 + 7.689 - 0.8 =$ WBN 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. $6.00 \times 10^4 - 1.0 \times 10^3 =$ 5.90×10^4

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