

You may use your calculator to solve each of the following. Don't round until the end (final answer).  
 Addition/subtraction rules when working with measurements: PLACES: The final answer is dictated by the final SIGNIFICANT PLACE of the number that is least significant to the right.

1. $1243.36$ + $12.5$ <hr/> $1255.86$ <u>1255.9</u>	2. $43.75$ $81.234$ + $17.01$ <hr/> $141.994$ <u>141.99</u>	3. $176.45$ + $13.2222$ <hr/> $189.6722$ <u>189.67</u>	4. $500$ + $23$ <hr/> $523$ <u>500</u>	5. $500$ + $23$ <hr/> $523$ <u>520</u>
6. $500$ + $23$ <hr/> $523$ <u>523</u>	7. $500.0$ - $23$ <hr/> $477.0$ <u>477</u>	8. $0.00566$ - $0.0055$ <hr/> $0.00016$ <u><math>2 \times 10^{-4}</math></u>	9. $0.4321$ - $0.0015$ <hr/> $0.4306$ <u>0.4306</u>	10. $95.63$ $99.75$ + $93.21$ <hr/> $288.59$ <u>288.59</u>
11. $14.023$ $12$ + $300$ <hr/> $326.023$ <u>300</u>	12. $1400.0$ + $233$ <hr/> $167.0$ <u>1167</u>	13. $457.23$ - $438$ <hr/> $19.23$ <u>19</u>	14. $0.156$ $9.23$ + $2.1$ <hr/> $11.486$ <u>11.5</u>	15. $98.3$ + $2.156$ <hr/> $100.456$ <u>100.5</u>

Multiplication/Division rules: The final answer only has the number of SIGNIFICANT DIGITS as the measurement with the LEAST NUMBER of significant digits.

16. $23.4 \times 18 \times 14.25 =$ $6002.1$ <u>6000</u>	17. $0.053 \times 2.88 \times 1.44 =$ $0.2198016$ <u>0.22</u>	18. $56.55/13 = 4.35$ <u>4.4</u>	19. $0.00500 \times 14.4 =$ <u>0.720</u>
20. $\frac{(14.2 + 12)}{2.53} = 10.557$ <u>10</u>	21. $\frac{(94.2 + 12)}{2.53} = 41.976$ <u>42.0</u>	22. $\frac{(94.21 - 92)}{2.53} = 0.875$ <u>0.9</u>	23. $\frac{(94.2 + 0.035)}{2.53} = 37.2470$ <u>37.2</u>
24. $0.0535 \times 8.1 \times 0.05 = 0.216675 =$ <u>0.02</u>	25. $\frac{(94.2 + 2 + 3.25)}{(2.53 \times 3.255)} = 12.07628$ <u>12</u>		