

C. Round off the following numbers to the number of significant figures indicated in parentheses.

24. 2.3355 (4) 2.336 27. 555 005 (3) 5.55×10^5
25. 3.999 (2) 4.0 28. 8775 (3) 8780
26. 4.401 (2) 4.4 29. 314.005 (4) 314.0

D. Addition and Subtraction: Determine the sum or difference of the following and express the final answer with the correct number of significant figures.

30. $7.775 \rightarrow 7.78$ $2.225 + 5.55$
31. 1.11 $3.1000 - 1.99$
32. 10.000 $5.555 + 4.445$
33. 2.339 $3.339 - 1.000$
34. $11.02 \rightarrow 11.0$ $2.22 + 8.8$

E. Multiplication and Division: Determine the product or quotient of the following and express the final answer with the correct number of significant figures.

35. 5.0 $25.00 / 5.0$
36. 8.0 4.00×2.0
37. 8.59 2.55×3.368
38. 5.00 $30.0 / 6.000$
39. 51 25.56×2.0
40. 5.0×10^2 $500.0 / 1.0$
41. 89.0 44.5×2.00
42. 10. $100.0 / 10$

Answers to selected questions: 14. 5, 15. 4, 16. 3, 17. 3, 18. 4, 19. 1, 20. 4, 21. 6, 22. 2, 23. 4,
24. 2.336, 25. 4.0, 26. 4.4, 27. 5.55×10^5 , 28. 8780, 29. 314.0, 30. 7.78, 31. 1.11, 32. 10.000, 33.
2.339, 34. 11.0, 35. 5.0, 36. 8.0, 37. 8.59, 38. 5.00, 39. 51, 40. 5.0×10^2 , 41. 89.0, 42. 10