

Exercises in Number Base Conversion

By John Owen



Convert each of these to base 2

1. 52_8

2. 273_8

3. 617_8

4. 4472_8

5. 3502_8

Convert each of these to base 2

6. 673_{16}

7. $2A5_{16}$

8. DEB_{16}

9. $50C_{16}$

10. 2937_{16}

Convert each of these to base 2

11. 45_{10}

12. 36_{10}

13. 17_{10}

14. 72_{10}

15. 57_{10}

Convert each of these to base 8

16. 110011_2

17. 1111001_2

18. 10010110_2

19. 11011011_2

20. 110100101_2

Convert each of these to base 8

21. 453_{16}

22. $D10_{16}$

23. 729_{16}

24. $BCEF_{16}$

25. $4A6_{16}$

Convert each of these to base 8

26. 46_{10}

27. 89_{10}

28. 70_{10}

29. 120_{10}

30. 273_{10}

Convert each of these to base 16

31. 101101_2

32. 1110001_2

33. 11001101_2

34. 1000100101_2

35. 1100001001_2

Convert each of these to base 16

36. 46_8

37. 276_8

38. 725_8

39. 5624_8

40. 7013_8

Convert each of these to base 16

41. 74_{10}

42. 156_{10}

43. 168_{10}

44. 415_{10}

45. 550_{10}

ANSWERS...JUMBLED

6420	226	26	19F	110001111
10001	226	56	1D5	1010100101
100100	309	63	2D	10100001100
101010	333	71	4A	11001110011
101101	421	106	9C	11101000010
111001	645	131	A8	100100111010
136357	2123	170	B94	110111101011
1001000	2246	171	BE	10100100110111
10111011	3451	225	CD	
			EOB	