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1-3	Dec	Bin	Oct	Hex
	16	10000	20	10
	17	10001	21	11
	18	10010	22	12
	19	10011	23	13
	20	10100	24	14
	21	10101	25	15
	22	10110	26	16
	23	10111	27	17
	24	11000	30	18
	25	11001	31	19
	26	11010	32	1A
	27	11011	33	1B
	28	11100	34	1C
	29	11101	35	1D
	30	11110	36	1E
	31	11111	37	1F

1-9	Dec	Bin	Oct	Hex
	369.3125	101110001.0101	561.24	171.5
	189.625	10111101.101	275.5	BD.A
	214.625	11010110.101	326.5	D6.A
	62407.625	111100111000111.101	171707.5	F3C7.A

1-12 (a)
$$\begin{array}{r} 1010 \\ \times 1100 \\ \hline 1010 \\ 1010 \\ \hline 1111000 \end{array}$$

(b)
$$\begin{array}{r} 0110 \\ \times 1001 \\ \hline 0110 \\ 0110 \\ \hline 110110 \end{array}$$

(c)
$$\begin{array}{r} 1111001 \\ \times 11101 \\ \hline 1111001 \\ 1111001 \\ 1111001 \\ 1111001 \\ \hline 11111001 \\ 11111001 \\ \hline 11111001 \\ 11111001 \\ \hline 11011010101 \end{array}$$

1-13
$$\begin{array}{r} 1001 \\ 101 \overline{) 1010110} \\ \underline{101} \\ 0110 \\ \underline{101} \\ 1 \end{array}$$

R.P. $1010110 \div 101 = 1001 \dots 1$

1-16 (a) $11r^2 + 14r + 14 = 2699$ 解得 $r_1 = 15$
 $r_2 < 0$ 舍去.

(b) $3r^2 + 6r + 5 = 194$ 解得 $r_1 = 7$
 $r_2 < 0$ 舍去.

1-18 (a) 1 0011 0000 0011 (b) 1 0111 1010.11

1-19 $(715)_{10} = (0111 \ 0001 \ 0101)_{BCD}$
 $(354)_{10} = (0011 \ 0101 \ 0100)_{BCD}$

1-28	由3bit格雷码	000	可推广4bit格雷码	0000
		001		0001
		011		0011
		010		0010
		110		0110
		111		0111
		101		0101
		100		0100
				1100
				1101
				1111
				1110
				1010
				1011
				1001
				1000