

↓ ↓ ↓ ↓ 	octal 52 43	502 ← P1 36 31	346 ← P2	134 ← P3
34 34 134 (175	56 257 502 ← P1 5×7 46 ← B2	4 ← − ₽3 6×5 562) ₈ 5×5	0 N	(17562) ₈ =(001111101110010) ₂ =(1551503)

(1,362)8=(001111101110010)₂ =(1331302)₄

1.16 (a)(11010.010)₂ = (0.11010010)_{x25} sign bit = 0 exponent =5+127=(1000 0100) fraction=1010 0100...0 0 1 8 9 31

(432.26)10=(110110000.010000101000111)2 =(0.11011000001000010100111)x29 exponent =9+127=136=(10001000)2 fraction =(10110000010000101000111)2 0 1 8 9 31 0|10001000|101100000101000111

1.17 (1) The entry in row two column two is in error.

1.20 (a)(0100 1001 0101 0111)bcd=(4 9 5 7)bcd (b)(0100 1001 0101 0111)2 =(18772)10 (c)Excess-3 = (1 6 2 4) (d)ASCII Code =) 7 1.21 (a)(356)₁₀ =(101100100)₂ =(0000 0001 0110 0100) in 16-bit register (b)(356)_{bcd}=(0011 0101 0110)_{bcd} =(0000 0011 0101 0110) in 16-bit register (c)(AI)AscII=(1010 0001 0101 0001)AscII =(1010 0001 0101 0001) in 16-bit register

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