

Priority
CORRESPONDENCE/NOTES

2	38	0	Remainder
2	19	1	
2	9	1	
2	4	0	
2	2	0	
2	1	1	

$$38_{10} = 100110_2$$

2	100	0
2	50	0
2	25	1
2	12	0
2	6	0
2	3	1
2	1	1

$$100_{10} = 1100100_2$$

2	200	0
2	100	0
2	50	0
2	25	1
2	12	0
2	6	0
2	3	1
2	1	1

$$200_{10} = 11001000_2$$

Over

$$\begin{array}{r}
 2 \overline{) 75} \quad 1 \\
 2 \overline{) 37} \quad 1 \\
 2 \overline{) 18} \quad 0 \\
 2 \overline{) 9} \quad 1 \\
 2 \overline{) 4} \quad 0 \\
 2 \overline{) 2} \quad 0 \\
 2 \overline{) 1} \quad 1
 \end{array}$$

$$75_{10} = 1001011_2$$

$$\begin{array}{r}
 2 \overline{) 190} \quad 0 \\
 2 \overline{) 95} \quad 1 \\
 2 \overline{) 47} \quad 1 \\
 2 \overline{) 23} \quad 1 \\
 2 \overline{) 11} \quad 1 \\
 2 \overline{) 5} \quad 1 \\
 2 \overline{) 2} \quad 0 \\
 2 \overline{) 1} \quad 1
 \end{array}$$

$$190_{10} = 1011110_2$$