

# 8-BIT BINARY CONVERSION CHECKLIST

Reference ID: BIN-DEC-001 Scale:  $2^0$  through  $2^7$

STATUS		128	64	32	16	8	4	2	1	RESULT
DONE	BINARY STRING	$2^7$	$2^6$	$2^5$	$2^4$	$2^3$	$2^2$	$2^1$	$2^0$	DECIMAL
	00000001	0	0	0	0	0	0	0	1	1
	00001010	0	0	0	0	1	0	1	0	10
	00100000	0	0	1	0	0	0	0	0	32
	01000000	0	1	0	0	0	0	0	0	64
	01111111	0	1	1	1	1	1	1	1	127
	10000000	1	0	0	0	0	0	0	0	128
	11111111	1	1	1	1	1	1	1	1	255

Conversion logic:  $(n \times 2^i)$  | Minimalist Study Template