

Decimal to Octal

Convert the following decimal numbers into octal:

- 25
- 100
- 255
- 1024

25 in decimal = 31 in octal

Input	Quotient	Remainder	Output
25 / 8	3	0.125 * 8	1
3 / 8	0	0.375 * 8	3

100 in decimal = 144 in octal

Input	Quotient	Remainder	Output
100 / 8	12	0.5 * 8	4
12 / 8	1	0.5 * 8	4
1 / 8	0	0.125 * 8	1

255 in decimal = 377 in octal

Input	Quotient	Remainder	Output
255 / 8	31	0.875 * 8	7
31 / 8	3	0.875 * 8	7
3 / 8	0	0.375 * 8	3

1024 in decimal = 2000 in octal

Input	Quotient	Remainder	Output
255 / 8	128	0.0 * 8	0
128 / 8	16	0.0 * 8	0
16 / 8	2	0.0 * 8	0
2 / 8	0	0.25 * 8	2