

Tyl-Sjok Numbers

Digit Shapes

General

Zero digit, 'tjen'	•	
Base digit	8	
Rounding, etc., ca.	≧	'and more digits might follow'
Power, 'il'	'	usually left out
Plus, 'wng'	~	only in explicit number form
(Minus		yet undefined)

Primary	Idea	Secondary
•		◦
—		⊖
⌈	—+—	⌈
⌋	⌈+—	⌋
		⊖
∨	+—	⊖
∇	∨+—	⊖
∩	⌋+	⊖
8	◦+◦	

Hexadecimal

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
•	—	⌈	⌋		∨	∇	∩	◦	⊖	⌈	⌋	⊖	⊖	⊖	⊖	8

ca. 0x4a200 = | 8 | ⌈⌋≧

Decimal

0	1	2	3	4	5	6	7	8	9	10
•	—	⌈	⌋		◦	⊖	⌈	⌋	⊖	8

ca. 47200 = | 8 | ⌈⌋≧

Octal

0	1	2	3	4	5	6	7	8
•	—	⌈	⌋	◦	⊖	⌈	⌋	8

ca. 046200 = ◦ 8 ◦ ⌈⌋≧

Tertiary

0	1	2	3
•	—	◦	8

Binary

0	1	2
•	◦	8

ca. 0b10100 = 8 8 8 ◦ • ◦ ≧

Counting in Binary

0	.
1	o
2	8
3	8 o o
4	8 8
5	8 8 o . o
6	8 8 o o
7	8 8 o o o
8	8 o o 8
9	8 o o 8 o . . o
10	8 o o 8 o . o
	:
15	8 o o 8 o o o o
16	8 8 8
17	8 8 8 o . . . o
18	8 8 8 o . . o
	:
31	8 8 8 o o o o o
32	8 8 o . o 8
33	8 8 o . o 8 o o
	:
64	8 8 o o . 8
	:
128	8 8 o o o 8
	:
256	8 o o 8 8
	:
32768	8 o o 8 o o o o 8
	:
65536	8 8 8 8
	:
0.5	8 . o
