

NEO NUMERATION

CARDINAL NUMBERS:

un	du	tre	qar	qin	sit	sep	ot	non	is	ek	mil
1	2	3	4	5	6	7	8	9	10	100	1000

All other numbers by compounding these 12 elements:

isun	isdu	istre	isqar	isqin	issit	issep	isot	isnon	duis	duisun	duisdu	duistre
11	12	13	14	15	16	17	18	19	20	21	22	23
treis	qaris	qinis	sitis	sitissit	otis	nonis	nonisnon	ekun	ekdu	ekis		
30	40	50	60	66	80	90	99	101	102	110		
duek	treek	qinek	sit	sitissit	otek	milun	milis	milekisun				
200	300	500	666		800	1001	1010	1111				
dumil	tremil	otmil	treismil	otismil	duekmil	qinekmil						
2000	3000	8000	30000	80000	200000	500000						
sitekmil	siteksitissit	milyon	tremil sepekqaristre	qinmil noneksitistre	qareksitmil noneksitissit							
600666		million	3743	5963	406966							

qarissit milyon(os) sepeknonistremil siteksitis frankos: 46.793.660 francs.

Tokyo ar c is milyon(os) abiteros: Tokyo has ab. ten million inhabitants
(**c** = **cir**, ab. = about)

SUFFIXES

Ordinals: **-a. Una (prima)** first; **une (prime)** first(ly); **dua, due** second, -ly; **trea** third; **qara** fourth; **qina** 5-th; **sita** 6-th; **isa** tenth; **isdua** twelfth; **duisa** twentieth; **duisnona** 29-th; **qinisa** 50-th; **eka** 100-th; **mila** 1000-th.

Multiples: **-pl. Dipla, -e** double, doubly; **tripla, -e** triple, trebly; **qaripla** fourfold; **isipla** tenfold; **isipli** to decuple; **ekipla** centuple; **ekipli** to -.

Fractions: **-im. Duim, dim** half; **trim** 1/3-rd; **qarim** 1/4-th; **isim** 1/10-th; **qinisim** 1/50-th; **ekim** 1/100-th; **milim** 1/1000-th; **milyonim** one millionth.

Frequency: **-yes. Unyes** once; **duyes** twice; **qinyes** five times; **isyes** ten times; **ekyes** 100 times; **milyes** a thousand times.

Order, class: **Primala** primary; **duala** secondary; **isala** ranking tenth.

Collective: **-o. Isos** tens; **isduo** dozen; **ekos** hundreds; **milos** thousands.

Grouping: **-ope. Unope** one by one; **duope** two by two; **isope** in groups of ten; **ekope** by hundreds; **milope** by thousands.

Ordinals are needed for:

Isqara Seklo (14a seklo) fourteenth century;
Duisa Seklo (20a seklo) twentieth century.

Ordinals are not needed for:

Elizabet DU (du, 2, II) Elisabeth II;

Jan Duistre (23, XXIII) John XXIII.

ARITHMETIC

Basic Rules:

adis addition;

sotrak subtraction;

multiplo multiplication;

divid division.

2 + 2 = 4	du plu du far qar
4 - 1 = 3	qar min un far tre
3 × 3 = 9	tre yes tre far non
8 : 2 = 4	ot pe du far qar

Big Numbers:

See [Long and Short scale](#)

Neo uses the long scale

milyon	million	10 ⁶	1.000.000
milyard	milliard	10 ⁹	1.000.000.000
	US billion ⁽¹⁾	10 ⁹	1.000.000.000
bilyon	billion	10 ¹²	
	US trillions ⁽¹⁾⁽²⁾	10 ¹²	
trilyon	trillion ⁽³⁾	10 ¹⁸	
	quintillion ⁽¹⁾	10 ¹⁸	
qarilyon	quadrillion	10 ²⁴	
qinilyon	quintillion	10 ³⁰	

⁽¹⁾ the short scale

⁽²⁾ US one thousand billions

⁽³⁾ the long scale, one million european billions

Powers:

6 ²	sit duposa	6/2ps
8 ³	ot treposa	8/3ps
10 ¹²	is isduposa	10/12ps
10 ²⁴	is duiqarposa	10/24ps

Roots:

$\sqrt[2]{16}$	duradik de 16	2rk/16
$\sqrt[3]{27}$	treradik de 27	3rk/27
$\sqrt[4]{256}$	qarradik de 256	4rk/256

Weights and Measures:

g	gram	m	metro	l	litro
dag	dekagram	dam	dekometro	dal	dekalitro
hg	hektogram	hm	hektometro	hl	hektolitro
kg	kilogram	km	kilometro	dl	decilitro
dg	decigram	dm	decimetro	cl	centilitro
cg	centigram	cm	centimetro	Q	qintal (100 Kg.)
mg	miligram	mm	millimetro	Tn	tonyo (1000 Kg.)
inco	inch	nodyo	knot	lumanyo	light-years
ped	foot	pundo	pound	parsek	parsec (32,6 light-years)
milyo	mile	galonyo	gallon	megaparsek	megaparsec (one million parsec)

International signs

Neo has adopted following international signs:

k	kilo	10^3	m	mili	10^{-3}
M	mega	10^6	u	mikro	10^{-6}
G	giga	10^9	n	nano	10^{-9}
T	tera	10^{12}	p	piko	10^{-12}

SHORT VOCABULARY

num number; **numa** numeral, numerical; **nume** numerically; **numi** to number; **numazo** numbering; **numado**, **numio** numeration; **numoza** numerous; **numoze** numerously; **numozo** numerousness; **numon** big number, great number; **sennuma** numberless; **sennume** numberlessly;

mul many; **mulunos** many people; **mulo** a good quantity; **mule** greatly; **pok** few; **pokunos** a few people; **poko** a little quantity; **epe** a little; **epete** a little bit; **epetet** a quite little bit.

qanto quantity; **qanta** quantitative (also: "quanta"); **qanti** to quantify; **qal** quality; **qala** qualitative; **qali**, **qalifi** to qualify; **qalazo** qualification; **qalifa** qualifying, qualificative; **qalat** qualified.

zer(o) zero, nought; **nilo** nothing; **nix** nothing at all, naught; **nil...** no...; **nili** to annihilate; **nilazo** annihilation; **nula** worthless; **nile** in no way

adisi to add up; **sotraki** to subtract; **multipli** to multiply; **multiplio** multiplication; **multiplal** multiplication table; **multiplenda**

multiplicand; **multipler** multiplier; **multipleso** multiplicity; **multiplibla** multipliable;
divid division; **dividi** to divide; **dividibla** divisible; **dividibleso** divisibility; **dividend** dividend;
(divizyon *division* (mil).

matemat, **-a**, **-e**, **-ist** mathematics, -ical, -ically, -ician;
aritmetio, **-meta**, **-metist** arithmetic, -ical, -etician;
geometrio, **-metra**, **-metrist** geometry, -ical, -ician;
algebro, **-a**, **-ist** algebra, -aic, -aist;

eqasyon equation;
senendima infinitesimal;
defima differential;

kalkul calculation; **kalkuli** to calculate; **kalkulil**, **kalkulingo** calculating machine; **adisil**, **adisingo** adding machine;

kont account; **konti** to count, to reckon; **standel** balance (of account).

For *DATES*, day's number is generally put *before* the month: **un janar** January first; **isqin novem** November 15-th; **treisun decem** December 31-st; **ka dato oje?** what is to-day's date?; **ka id del mes oje?** what day of the month is it to-day?; **ka id del vek oje?** what day of the week is it to-day?; **da un a isqin yul** from the 1st to the 15-th of July; **mi nasir je duisnon febrar** I was born on February 29-th.

EXERCISE

Ke vur tu fi oje?	What would you like to do to-day?
Mi shar gi shel librer e kofi tre libros.	I must go to the bookseller's and buy three books.
Ar tu suf dengo?	Have you enough money?
Mi ar duek qinis frankos.	I have 250 francs.
Shak libro kostar sepi frankos.	Each book costs seventy francs.
Los tre kostor donk duekis frankos.	The three will then cost 210 francs.
Ve restor qaris frankos.	You will have 40 francs left.
Lo duistre mars nos or un bel koncert.	On March 23, we will have a fine concert.
Ka lo presyo del plasos?	What is the price of the seats?
Mi no spar; lastyes nos pagir ek qinis frankos lo plas.	I don't know; last time we paid 150 francs a seat.
Ke for tu krasmatin?	What are you going to do to-morrow morning?
Mi sperar gi kinye kon ma frat.	I hope to go to the movies with my brother.
Kom gar ta filyo?	How is your son going on?
Il studar jus universitye e laborar muy ben.	He studies law at the University and he is working very well.
Ma matro me dar un libro.	My mother gives me a book.
Ta dom me plar mul.	Your house pleases me very much.
Vur vu veni ne vidi etser?	Would you like to come and see us this evening?
Mi vur, mo no par; mi no frida.	I would like to, but I cannot; I am not free.
Te miru nel spek: ta vizo lura.	Look at yourself in the mirror; your face is dirty.
Sar un inka flek. Kom fir tu it?	It is an ink blot. How did you do it?

Mi no spar; forse dun mi skribir et brif a ma matro.	I don't know; perhaps while I was writing this letter to my mother.
Cu tu vidinda l'iv ki flir tan vit?	Have you seen the airplane that was flying so fast?
Vo tir tu lo lapos ke mi te dir?	Where did you put the pencils I gave you?
Mi ze tir ik, mo nun mi no par ze tri.	I put them here, but now I cannot find them.
Aponu ta mant, nos arivonda.	Put on your overcoat, we are soon arriving.
Pardonu, Madam, ve fir mi mal?	I beg your pardon, Madam, did I hurt you?
No dey, vu me fir nil mal.	Don't mention it, you did not hurt me.
Mi no ir vidat vu sir ik.	I had not seen you were here.
Mi duyesir Fransye.	I was twice in France.
Mi ik primyese.	This is the first time I am here.
Kanyes gir vu kinye van vu Londonye?	How many times did you go to the movies when you were in London?
Mi ye sir plulyes.	I was there several times.
Unyes mi ye inkontrir va gefratos.	Once I met there your brother(s) and sister(s).
Dim d'et fortun te pertendar.	Half of this fortune belongs to you.
Ka ma standel, pli?	What is my (account's) balance, please?
Mesense vu ir otek qinis £; vu ritirir treek issit; nun vu ar qinek treisqar £.	At the beginning of the month you had £850; you drew out £316; now you have £534.
Ekos perar shakmes in rutaxidentos.	Hundreds (of persons) perish every month in road-accidents.
Et gran grek filosof vivir yo milanyos.	This great Greek philosopher lived thousands of years ago.

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