

**TYELLI KWÄÄNŃ KI KWAN KI DÄÄCI KWÄÄNŃ KI KWÄNI MALŃ GĚKI KWÄNI CYÄNŃ  
KI DHŃ CŃLŃ**

**BY STEPHEN OLAM KUOL OWET**

**(OLAM KUOL)**

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| <b>TYELLI KWÄÄNŃ KI KWAN KI DÄÄCI KWÄÄNŃ KI KWÄNI MALŃ GĚKI KWÄNI CYÄNŃ</b> |                     |             |
|---|---------------------|-------------|
| <b>TYELLI KWÄÄNŃ</b>  |                     |             |
| <b>Kwääno</b>   | <b>Nyiŋi Kwääno</b> | <b>Nimi</b> |
| 0   | Bugono (Buŋi Gono)  | 0           |
| I   | Akyelo              | 1           |
| II  | Aryewo              | 2           |
| III   | Adägo               | 3           |
| IV  | Aŋweno              | 4           |
| V   | Abijo               | 5           |
| VI  | Abikyelo            | 6           |
| VII   | Abiryewo            | 7           |
| VIII  | Abidägo             | 8           |
| IV  | Abigweno            | 9           |

|       |                                      |    |
|-------|--------------------------------------|----|
| X     | Pyäaro                               | 10 |
| XI    | Pyäär wíc gon da akysel              | 11 |
| XII   | Pyäär wíc gon da aryewo              | 12 |
| XIII  | Pyäär wíc gon da Adägo               | 13 |
| XIV   | Pyäär wíc gon da anweno              | 14 |
| XV    | Pyäär wíc gon da abijo               | 15 |
| XVI   | Pyäär wíc gon da abikysel            | 16 |
| XVII  | Pyäär wíc gon da abiryewo            | 17 |
| XVIII | Pyäär wíc gon da abidägo             | 18 |
| XIX   | Pyäär wíc gon da abigweno            | 19 |
| XX    | Pyärri aryewo                        | 20 |
| XXI   | Pyärri aryew wähdhdi gen da akysel   | 21 |
| XXIV  | Pyärri aryew wähdhdi gen da anweno   | 24 |
| XXV   | Pyärri aryew wähdhdi gen da abijo    | 25 |
| XXIX  | Pyärri aryew wähdhdi gen da abinweno | 29 |
| XXX   | Pyärri adägo                         | 30 |
| XΓ    | Pyärri anweno                        | 40 |
| Γ     | Pyärri abijo                         | 50 |

|       |  |     |
|-------|--|-----|
| ΓΧ    | Pyārri abīkyelo                            | 60  |
| ΓΧΧ   | Pyārri abīryewo                            | 70  |
| ΓΧΧΧ  | Pyārri abīdāgo                             | 80  |
| ΧØ    | Pyārri abīñweno                            | 90  |
| ΧØIV  | Pyārri abīñwen wādhhdhi gen da abīñweno    | 99  |
| Ø     | Miyø (Miy akycelo) (Pyārri Pyāro)          | 100 |
| ØIV   | Miy ki pyäär wīc gon da agweno             | 114 |
| ØV    | Miy ki pyäär wīc gon da abījo              | 115 |
| ØVI   | Miy ki pyäär wīc gon da abīkyelo           | 116 |
| ØIX   | Miy ki pyäär wīc gon da abīñweno           | 119 |
| ØXX   | Miy ki pyārri aryewo                       | 120 |
| ØXXIV | Miy ki pyārri aryew wādhhdhi gen da añweno | 124 |
| ØXXV  | Miy ki pyārri aryew wādhhdhi gen da abījo  | 125 |
| ØØ    | Miyyi aryewo                               | 200 |
| ØØØ   | Miyyi adāgo                                | 300 |
| ØZ    | Miyyi añweno                               | 400 |
| Z     | Miyyi abījo                                | 500 |

|          |  |        |
|----------|--|--------|
| ZØ       | Miyyi abikyeɓo   | 600    |
| ZØØ      | Miyyi abiryewo   | 700    |
| ZØØØ     | Miyyi abidägo  | 800    |
| ØS       | Miyyi abirjweno  | 900    |
| S        | Alibo (Alip akyeɓo) (Miyyi pyäaro)<br>(Pyärrri Pyärrri Pyäaro)               | 1,000  |
| SS       | Alip aryewo  | 2,000  |
| SSXI     | Alip aryew ki pyäar wähdhi gen da<br>akyeɓo                                  | 2,011  |
| SSS      | Alip adägo   | 3,000  |
| SΛ       | Alip arjweno   | 4,000  |
| Λ        | Alip abijjo  | 5,000  |
| ΛS       | Alip abikyeɓo  | 6,000  |
| ΛSS      | Alip abiryewo  | 7,000  |
| ΛSSS     | Alip abidägo   | 8,000  |
| SØ       | Alip abirjweno   | 9,000  |
| SØØHXØIV | Alip abirjwen ki miy abirjwen ki pyärrri<br>abirjwen wähdhi gen da abirjweno | 9,999  |
| Ø        | Alip pyäarro (Miyyi Pyärrri Pyäaro)  | 10,000 |

|      |  |         |
|------|--|---------|
| ØØ   | Alip pyārri aryewo                                 | 20,000  |
| ØØØ  | Alip pyārri adāgo                                  | 30,000  |
| ØЖ   | Alip pyārri abīḡwen                                | 40,000  |
| Ж    | Alip pyārri abījo                                  | 50,000  |
| ЖØ   | Alip pyārri abīkyelo                               | 60,000  |
| ЖØØ  | Alip pyārri abīryewo                               | 70,000  |
| ЖØØØ | Alip pyārri Abīdāgo                                | 80,000  |
| ЖH   | Alip pyārri abīḡweno                               | 90,000  |
| H    | Alip miyo (Miyi miy pyāaro) (Alippi pyārri pyāaro) | 100,000 |
| HH   | Alip miy aryewo                                    | 200,000 |
| HHH  | Alip miy adāgo                                     | 300,000 |
| HØ   | Alip miy aḡweno                                    | 400,000 |
| Ø    | Alip miy Abījo                                     | 500,000 |
| ØH   | Alip miy abīkyelo                                  | 600,000 |
| ØHH  | Alip miy abīryewo                                  | 700,000 |
| ØHHH | Alip miy abīdāgo                                   | 800,000 |
| SØ   | Alip miy abīḡweno                                  | 900,000 |
| SØØS | Alip miy abīḡwen wādhdi gen da miy                 | 900,900 |

|               |  |            |
|---------------|--|------------|
|               | abīṛwəno   |            |
| SIOÇHSÇØSXØIV | Alīp miy abīṛwən ki alīb pyārri abīṛwən<br>ki alīb abīṛwən ki miy abīṛwən ki pyārri<br>abīṛwən wādhdhi gen da abīṛwəno | 999,999    |
| IO            | Kiidho (Kiithi akyselə)  | 1,000,000  |
| IOIO          | Kidhdhi aryəwo   | 2,000,000  |
| IOIOIO        | Kidhdhi adägo  | 3,000,000  |
| IOQ           | Kidhdhi aṛwəno   | 4,000,000  |
| Q             | Kidhdhi abij   | 5,000,000  |
| QIO           | Kidhdhi abikyselə  | 6,000,000  |
| QIOIO         | Kidhdhi abiryəwo   | 7,000,000  |
| QIOIOIO       | Kidhdhi abidägo  | 8,000,000  |
| IOΨ           | Kidhdhi abīṛwəno   | 9,000,000  |
| Ψ             | Kidhdhi pyäärə (Kaarə)   | 10,000,000 |
| ΨIO           | Kidhdhi pyär wic da kiidh akyselə  | 11,000,000 |
| ΨIOIO         | Kidhdhi pyär wic da kiidh aryəwo   | 12,000,000 |
| ΨIOIOIO       | Kidhdhi pyär wic da kiidh adägo  | 13,000,000 |
| ΨIOQ          | Kidhdhi pyär wic da kiidh aṛwəno   | 14,000,000 |
| ΨQ            | Kidhdhi pyär wic da kiidh abijə  | 15,000,000 |

|       |   |             |
|-------|---|-------------|
| ΨϞЮ   | Kidhdhi pyär wíc da kiidh abĩkyelo                | 16,000,000  |
| ΨϞЮЮ  | Kidhdhi pyär wíc da kiidh aryewo                  | 17,000,000  |
| ΨϞЮЮЮ | Kidhdhi pyär wíc da kiidh abĩdägo                 | 18,000,000  |
| ΨЮΨ   | Kidhdhi pyär wíc da kiidh abĩñweno                | 19,000,000  |
| ΨΨ    | Kidhdhi pyärrĩ aryewo (Karri aryewo)              | 20,000,000  |
| ΨΨΨ   | Kidhdhi pyärrĩ adägo (Karri adägo)                | 30,000,000  |
| ΨЯ    | Kidhdhi pyärrĩ añweno (Karri añweno)              | 40,000,000  |
| Я     | Kidhdhi pyärrĩ abĩjo (Gaaro)                      | 50,000,000  |
| ЯΨ    | Kidhdhi pyärrĩ abĩkyelo (Gaar geeki kaaro)        | 60,000,000  |
| ЯΨΨ   | Kidhdhi pyärrĩ abĩryewo (Gaar geeki karri aryewo) | 70,000,000  |
| ЯΨΨΨ  | Kidhdhi pyärrĩ abĩdägo (Gaar geeki karri adägo)   | 80,000,000  |
| ЯЭ    | Kidhdhi pyärrĩ abĩñweno (Gaari cono)              | 90,000,000  |
| Э     | Kidhdhi miyo (Kidhdhi miy akycelo)<br>(Cono)      | 100,000,000 |
| ЭЭ    | Kidhdhi miy aryewo (Coni aryewo)                  | 200,000,000 |
| ЭЭЭ   | Kidhdhi miy adägo (Coni adägo)                    | 300,000,000 |
| ЭЄ    | Kidhdhi miy añweno (Coni añweno)                  | 400,000,000 |
| Є     | Kidhdhi miy abĩjo (Byelo)                         | 500,000,000 |

|                           |   |                   |
|---------------------------|---|-------------------|
| ᐱᐅ                        | Kidhdhi miy abikyselᐅ (Byell conᐅ)            | 600,000,000       |
| ᐱᐅᐅ                       | Kidhdhi miy abiryewᐅ (Byel geki conᐅji arywᐅ) | 700,000,000       |
| ᐱᐅᐅᐅ                      | Kidhdhi miy abidäᐅᐅ (Byel geki conᐅji adäᐅᐅ)  | 800,000,000       |
| ᐅᐱ                        | Kidhdhi miy abirᐅwᐅᐅ (Byerᐅ)                  | 900,000,000       |
| ᐱ                         | Yadhᐅ (Yathi akyselᐅ)                         | 1,000,000,000     |
| ᐱᐱ                        | Yenhni arywᐅ                                  | 2,000,000,000     |
| ᐱᐱᐱ                       | Yenhni adäᐅᐅ                                  | 3,000,000,000     |
| ᐅᐅ                        | Dyenyᐅ (nyeenyi akyselᐅ) (Bööᐅ)               | 1,000,000,000,000 |
| <b>KWAN (MATHEMATICS)</b> |   |                   |
| <b>Nimi</b>               |   |                   |
| 0.100000                  |   | 0.100000          |
| 0.010000                  |   | 0.010000          |
| 0.001000                  |   | 0.001000          |
| ...                       |   | ...               |
| ...                       |   | ...               |
| 0.0000011                 |   | 0.000002          |
| 0.0000110                 |   | 0.000020          |



|            |  |          |
|------------|--|----------|
| 0.0001100  |  | 0.000200 |
| 0.0011000  |  | 0.002000 |
| ...        |  | ...      |
| ...        |  | ...      |
| 0.11100000 |  | 0.300000 |
| 0.01110000 |  | 0.030000 |
| ...        |  | ...      |
| ...        |  | ...      |
| 0.000001V  |  | 0.000004 |
| 0.00001V0  |  | 0.000040 |
| 0.0001V00  |  | 0.000400 |
| ...        |  | ...      |
| ...        |  | ...      |
| 0.V00000   |  | 0.500000 |
| 0.0V0000   |  | 0.050000 |
| ...        |  | ...      |
| ...        |  | ...      |
| 0.00000VI  |  | 0.000006 |

|  |  |                             |
|--|--|-----------------------------|
| 0.0000VI0                                      |  | 0.000060                    |
| 0.000VI00                                      |  | 0.000600                    |
| ...  |  | ...                         |
| ...  |  | ...                         |
| 0.IIIIIIVVvi                                   |  | 0.123456                    |
| 0.0IIIIIV                                      |  | 0.012345                    |
| 0.00IIIIIV                                     |  | 0.001234                    |
| 0.000IIII                                      |  | 0.000123                    |
| 0.0000II                                       |  | 0.000012                    |
| 0.00000I                                       |  | 0.000001                    |
| 0.IIIII  |  | 0.111111                    |
| 0.VI   |  | 0.6                         |
| 0.V  |  | 0.5                         |
| 0.IV   |  | 0.4                         |
| I + 0.I = I.I                                  |  | 1 + 0.1 = 1.1               |
| XX - XII = VI                                  |  | 20 - 13 = 6                 |
| IO ÷ III =<br>HHHØØØSSSSØØØXXXIII.IIIIIIIII... |  | 1000000 ÷ 3 = 333333.333... |
| X ÷ III = III.IIIIIII...                       |  | 10 ÷ 3 = 3.333...           |

|   |  |   |
|---|--|---|
| $III \times III = IX$   |  | $3 \times 3 = 9$  |
| $I/II \div 0.III = I.VIviVIviVII$   |  | $\frac{1}{2} \div 0.3 = 1.66667$                            |
| $VII m + IV m = XI m$   |  | $7m + 4m = 11m$   |
| $XI b - I.V b = IX.V b$   |  | $11b - 1.5b = 9.5b$   |
| $0.I m \div 0.V m = 0.II m$   |  | $0.1m \div 0.5m = 0.2m$                                     |
| $I^{\wedge}II = 1$  |  | $1^{\wedge}2 = 1$   |
| $X^{\wedge}0 = 1$   |  | $10^{\wedge}0 = 1$  |
| $IX^{\wedge}0 = 1$  |  | $9^{\wedge}0 = 1$   |
| $\sqrt{IX} = III$   |  | $\sqrt{9} = 3$  |
| $\text{Log}_x \emptyset = II$   |  | $\text{Log}_{10} 100 = 2$                                   |
| $\text{Log}_x S = III$  |  | $\text{Log}_{10} 1000 = 3$                                  |
| $\text{Log}_x \Gamma - \text{Log}_x V = I$                                    |  | $\text{Log}_{10} 50 - \text{Log}_{10} 5 = 1$                |
| $\text{Log}_x V + \text{Log}_x II = I$  |  | $\text{Log}_{10} 5 + \text{Log}_{10} 2 = 1$                 |
| $\text{Log}_v XXV \div \text{Log}_v XX = \text{Log}_v V = I$                  |  | $\text{Log}_5 25 \div \text{Log}_5 20 = \text{Log}_5 5 = 1$ |
| $\text{Log}_{III} XVIII * \text{Log}_{III} IX = \text{Log}_{III} XXVII = III$ |  | $\text{Log}_3 18 * \text{Log}_3 9 = \text{Log}_3 27 = 3$    |
| $IVR - X\Gamma IV = 0; R = XI$  |  | $4R - 44 = 0; R = 11$                                       |
| $(III - IIb)(III + IIb) = IX - IVb^{\wedge}II$                                |  | $(3 - 2b)(3 + 2b) = 9 - 4b^{\wedge}2$                       |
| & mmnt (мәңг ма нүти thыәw) ...   |  | & etc... (Et Cetera)  |

**ᐃᐃᐅ ᐅᐃᐃᐅᐅ ᐅᐅ ᐃᐅᐅ ᐅᐅᐅ: DECIMAL NUMBERS IN SHILLUK**

**ᐅᐃᐃᐅᐅ ᐅᐅᐅ (POSITIVE NUMBER)**

**Nimi**

|                         |  |                |
|-------------------------|--|----------------|
| 0.00000I                |  | 0.000001       |
| 0.00000li               |  | 0.000011       |
| 0.0000liI               |  | 0.000111       |
| 0.000liIi               |  | 0.001111       |
| 0.liIiIiI               |  | 0.123          |
| 0.IIiIiI                |  | 0.213          |
| 0.IViiIiIi              |  | 0.4132         |
| 0.VviiIVviiiIX          |  | 0.57489        |
| XIX.IXivVivVIIviIV      |  | 19.9454764     |
| 0.I0I0I0I0I...          |  | 0.10101010 ... |
| VII.VIIviiVIIviiVIIviii |  | 7.7777778      |

**ᐅᐃᐃᐅᐅ ᐅᐅᐅ (NEGATIVE NUMBER)**

**Nimi**

|                       |  |                  |
|-----------------------|--|------------------|
| -ᐅᐅᐅ.00VivVIIIixVII0  |  | -30,000.00548970 |
| -SAØZΓXVI.0IiIIVviiIX |  | -4,466.021469    |

|             |  |           |
|-------------|--|-----------|
| -0.1        |  | -0.1      |
| -0.100000   |  | -0.100000 |
| -0.010000   |  | -0.010000 |
| -0.001000   |  | -0.001000 |
| -0.000001   |  | -0.000002 |
| -0.000010   |  | -0.000020 |
| -0.000100   |  | -0.000200 |
| -0.001000   |  | -0.002000 |
| -0.11100000 |  | -0.300000 |
| -0.01110000 |  | -0.030000 |
| -0.000001   |  | -0.000004 |
| -0.000010   |  | -0.000040 |
| -0.000100   |  | -0.000400 |
| -0.000000   |  | -0.500000 |
| -0.000000   |  | -0.050000 |
| -0.000001   |  | -0.000006 |
| -0.000010   |  | -0.000060 |
| -0.000100   |  | -0.000600 |

|               |  |           |
|---------------|--|-----------|
| -0.IIIIIIvVvi |  | -0.123456 |
| -0.0IIIIIV    |  | -0.012345 |
| -0.00IIIIv    |  | -0.001234 |
| -0.000IIII    |  | -0.000123 |
| -0.0000II     |  | -0.000012 |
| -0.00000I     |  | -0.000001 |
| -0.IIIII      |  | -0.111111 |
| -0.VI         |  | -0.6      |
| -0.V          |  | -0.5      |
| -0.IV         |  | -0.4      |