



SO Ornamental - Boustrophedon?

*COPST - Contribution of Personal Solving Techniques

Recreational Mathematics – Target Number Activity – Enjoy!

APEX DX

A counting number activity which turned up a number of years ago, nationally and internationally, connects a given starting number with a stipulated “target number” a participant is challenged to reach. In perhaps the best known version is the option to multiply by three or to delete the unit digit. Thus, starting with the number, 53, we can reach a target of 12 in five steps, 53, 159, 477, 47, 4, = 12. Similarly, 41 can reach a target of 8 in eleven steps, 41, 123, 12, 36, 3, 9, 27, 81 = 8. Many of our ACA Krewe delight in concealment ciphers. Can you see such a cipher being concealed in all of this? Might your door number be used to target the four-digit number denoting the year of your birth? In how few steps?

New Manuscript Free Offer Thru E-Mail From LIONEL.

Tyro Tutorial(148 pages) by LIONEL, fundamental cipher solving processes of some thirty different cipher types.

Free Code and Cipher Books –Place an order. The mailing is also free.

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| <i>Codes, Secret Writing</i> - Gardner | <i>Cryptanalysis</i> – Helen Gaines | <i>Crypto & Spygrams</i> – Gleason |
| <i>Cryptography</i> – Dwight Smith | <i>Find Out about Secret Codes</i> – Beal | <i>Invitation to Cryptograms</i> –Williams |
| <i>Reader of Gentlemen’s Mail</i> – Kahn | <i>Secret & Urgent</i> – Fletcher Pratt | <i>Secret Codes & Ciphers</i> – Kohn |

Twelve Years of Age and Under

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|---|--|---------------------------------------|
| <i>Alvin’s Secret Code</i> – Clifford Hicks | <i>Break the Code</i> – Bud Johnson | <i>Code Crackers</i> – Kieran Fanning |
| <i>Secret Agent Activity Book</i> – Elder | <i>Secret Codes Kit</i> – Robert Jackson | <i>Secret Codes Kit</i> – Slinky Inc. |

Gimme a Break – ND Aristocrats (may be digraphs / trigraphs) (1) unless otherwise stated

A-1, that, A-2, the, A-3, the (2), A-4, the (2), A-5, th (3), the, A-6, that, the, A-7, first (2), A-8, that (2), A-9, that, the (2), A-10, that, A-11, you (3), A-12, and (2), A-13, ld (3), A-14, th (3), the, A-15, the, A-16, th (2), A-17, you (2), A-18, they, A-19, text, A-20, th (3), the, A-21, with, A-22, ies, its, A-23, ushy (2), A-24, ice (2), A-25, th (2), ti (4).

Gimme a Break - ND Patristocrats (may be digraphs / trigraphs) (1) unless otherwise stated

P-1, th (3), the, P-2, deboned (3), P-3, that, the (2), P-4, day (2), P-5, the (2), P-6, the (4), P-7, the (2), P-8, the (3), P-9, Kwanzaa, P-10, NKFD=from, P-11, Kwanzaa, P-12, the (5), those, P-Sp-1, EVKC=plum, P-Sp-2, BVDL=make.

SO. SO-1. Ornamental. Paradox

Four lines precede from the outer circle to the inner circle. Each line begins just to the right of 'noon' on the circle and proceed in a clockwise direction. Number symbols in alphabetical order. “Boustrophedon” is a clue to line order.

SO. A-16. Abridged presidential prattle. Pattern wordlist has only one word for pattern -12-1-33-2-

SO. X-1. Catalan. K2 Molt Famos. (central) (104)

Crib fits in only one place and generates plaintext for 14 ciphertext letters (VWXYZJKLMNQPQR).

SO. X-7. ??? K2 Electrical appliances. (93) (English key)

Look for a language type that appears three times elsewhere in the column. Plaintext begins “Les....”

SO. X-8. Spanish Patristocrat. K2 December 2912, (113)

Check out Mayan December 2012 prediction. Crib placement, position 68.

BION

**CRUNCH
CROTALUS**

BARK

RAMIUS

SO. X-9. German Morbit. Industrious. (wird) Crib placement, position 86.

SO. X-Sp-1. French Beaufort. Your mouth. (liberte) Title leads to key.

SO. E-2. Morbit. Dairy pun. (box)

Unusual Caesar Ciphred crib (VIR) could represent "I've, era or box." Pick "box" No pattern repetition in crib placement at position 88 (b).

SO. E-8. Baconian. 1920's cigar advertisement. (no)

There are four possible placements for this crib. Choose the first or second possible crib placement by the fit that yields that most popular trigraph beginning the plaintext.

SO. E-9. Phillips. Hard to solve. (derivingthee) Crib position 100, plaintext begins "The....."

SO. E-12. Unknown. From "Spring." Incomplete Columnar, Period Nine.

SO. E-14. Beaufort Slidefair. Say it well. (original) Period Five – WN, SU, TG = "rigina"

SO. E-15. Bifid. Philosophical rivalry. Extended crib: "made in all the centuries" –Position 101.

SO. E-18. Quagmire III. Good thinking. (just three steps) Period 7, begins "Nobel...."

SO. C-7. Addition. (Two words, 1-0) (Analysis by APEX DX)

T, I, W, E are non-zero. Since W and E are non-zero, E must = 9 in units column. TO + TE = IO, TO +T9 = IO, I = 2T + 1. Vary T, noting that I must be greater than T, indicating that I must = 3, 5 or 7. W + E(9) = M. Attempt values for W + E equaling M (5, 6, 7, 8 or 0). You are well on your way to the two word solution.

SO. AC-1083. ??? Good thinking. Incomplete Columnar, Period 11, begins "Cho....."

SO. AC-1085. ??? Old Saying. Monome- Dinome. Begins "To....."

ND. A-25. The sound of music. K3. (102)

The title may be urging us to reflect upon Christmas music sounds, choirs, angelic voices.

ND. P-12. Family jigsaw fun? K3. (103/21) (QBYH)

Jigsaw puzzles require fitting pieces together. The cipher title is again helpful in recovering plaintext.

ND. X-5. German. K2. Language defect. (120) (eine)

The crib fit in the only place it will go and the K2 Alphabet Key will lead you to the four letter Keyword and allow you not to get hung up on that opening 46 letter opening plaintext word.

ND. X-9. Latin Homophonic. Benignus. (qui) Crib placement at position 22.

ND. E-3. Vigenere. Self-referential beliefs. Period Eleven key begins "IMAG"

ND. E-4. Checkerboard. Widespread classical dialect. (that)

This can be solved as a Patristocrat Cipher by assigning letters of the alphabet to the nineteen different ciphertext digraphs. Its .0663 Index of Coincidence closely relates to the English letter appearance and allows for relatively simple solving. The crib is placed at ciphertext digraph position 44.

ND. E-5. Unknown. Four out of fifty. (CHMNYUX) Seven rail Railfence.

ND. E-7. Fractionated Morse. Binary code credit. (anticipated)

Crib placement at position 109, plaintext begins "The"

ND. E-8. Gronsfeld. A viral twitter isn't true? (reason) Period Seven, begins "An"

ND. E-9. Amsco. From the depths. (XYJNB) Period Seven, begins, "Those"

ND. E-10. Route transposition. Billions of them. (milky) Columns in, spiral out.

ND. C-7. Sudoku. (Two words) Solution in column six.

ND. C-11. Sudoku. (Three words*) Solution appears in very last block of three.

ND. C-14. Subtractions. (Two words, 9-0)

Only three letters cannot be zeroes, O, I and H."H" seems like the best ending letter for a five letter word.

C-Sp-1. Undecimal factorials. (Two words, 1-0)

Webster and the MA Cm 2008 Young Tyros column will supply a "factorial" definition. First key word is "SO."

THE DOC

Rig R. MORTIS

THE RAT

TSIOLKOVSKY

BION

RAMIUS

SCRYSER

ANAPEST

TSIOLKOVSKY

COLD DUCK

GRIFFIN

EL CONDOR

OZ

BARK

BION

LIONEL

NIVEK

CRUX

WORD WIZARD

CRUX

OZ

COLD DUCK

BION

TWEETY

DABASAP

TSIOLKOVSKY

APEX DX