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How can I get a copy of that free Tyro Tutorial?\*

COPST - Contribution of Personal Solving Techniques

## \*Contribution Of Personal Solving Technique – Word letter positions in order of frequency.

ZANAC

First letter in word - T, O, A, W, B, C, D, F, S, M, R, H, I, Y, E, G, L, N, O, U, J, K.

Second letter in word - H, O, E, I, A, U, N, R, T.

Third letter in word - E, S, A, R, N, I.

Last letter in word - E, S, T, D, N, R, Y, F, L, O, G, H, A, K,,M, P, U, W.

Most common double letters in order of frequency - SS, EE, TT, FF, LL, MM, OO.

## Tyro Tutorial Free E-Mail Offer

LIONEL

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

## Recreational Mathematics – Kaprekar’s Constant - Enjoy!

APEX DX

Dattaraya Ramchandra Kaprekar (1905–1986) was an Indian recreational mathematician who described several classes of natural numbers including the **Kaprekar Constant**, named after him. Choose as a starting number, N, a four-digit positive integer with all different digits. Denote by  $n_1$ , the integer obtained by writing the digits of N in descending order and by  $n_2$ , the integer obtained by writing the digits of N in ascending order. Form from N a new integer,  $N'$ , given by  $n_1$  minus  $n_2$ , retaining any initial zeroes at each step. A starting value of  $N = 7280$ ,  $n_1 = 8720$ ,  $n_2 = 0278$  and  $N' = n_1$  minus  $n_2 = 8442$ . Repeat the process with  $N'$  ( $n_1$  minus  $n_2$ ). Continue until you reach an unchanging value. This value will be 6174, known as **Kaprekar’s Constant**. Are there number analogues to **Kaprekar’s Constant** for number bases other than ten or for integers of other than four digits?

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

*Codes, Secret Writing* - Gardner

*Cryptanalysis* – Helen Gaines

*Crypto & Spygrams* – Gleason

*Cryptography* – Dwight Smith

*Decrypted Secrets* - Friedrich Bauer

*Find Out about Secret Codes* – Beal

*Fun with Secret Writing* - Lamb

*Invitation to Cryptograms* –Williams

*Names Index*, Enterprise Publishing

*Reader of Gentlemen’s Mail* – Kahn

*Secret & Urgent* – Fletcher Pratt

*Secret Codes & Ciphers* – Kohn

## Twelve Years of Age and Under Free Books

*Alvin’s Secret Code* – Clifford Hicks

*Break the Code* – Bud Johnson

*Code Crackers* – Kieran Fanning

*Mad Scientists Club* - B. R. Brinley

*Mental Magic* - Martin Gardner

*Secret Agent Activity Book* – Elder

*Secret Codes Kit* – Robert Jackson

*Secret Codes Kit* – Slinky Inc.

*Spy in Philadelphia* - Anne Emery

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

A-1, the (2), A-2, I (3), A-3, you (2), A-4, the (4), A-5, the (3), A-6, I (3), A-7, the (2), A-8, the (3), A-9, that (2), A-10, what (2), A-11, the (2), A-12, the, to, A-13, that, the, A-14, HANSTOME, A-15, ing (2), A-16, too, A-17, tells, A-18, it is, A-19, the (3), A-20, your (2), A-21, the (2), A-22, novelist, A-23, combo, A-24, in (2), ing A-25, in (4)..

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

P-1, that, the, P-2, tequila, P-3, the (2), P-4, you (3), P-5, the (2), P-6, you (4), P-7, pasta, P-8, the (2), P-9, th (3), the, P-10, ing (3), P-11, three, P-12, the (3), P-Sp-1, the (4), P-Sp-2,

- JF. A-22. Aristocrat. Colorful cinematic classic. K1. (99)** **STRONGLIKEBULL**  
Compare ciphertext XVEPOIUEUHF and XESVGHESF on your pattern word list for words with repeated letters in the two ciphertext words to allow plaintext word cryptanalysis.
- JF. P-11. Patristocrat. But his wife will hate you. K3 (90/20) (NYUWB)** **OZ**  
You only have to drag the crib (teach) through to the beginning of the second row of ciphertext to generate all the construction positions of frequent plaintext letters “t, e, a, h” in this message to aid in producing a solution.
- JF. X-5. Dutch Aristocrat. K1. Vrijheid tot dwalen. (nodig) English Key.** **BARK**  
Be aware of K1 Keyword alphabet. Crib will allow you to line it up. Plaintext begins “Falen....”
- JF. X-6. Swedish Aristocrat. K2. Money matter. (26-alpha, \*qwy) (103) (Vill fa)** **OOBOO**  
Crib placement allows filling in much of the K@ Keyword alphabet. Plaintext begins “Pojke...”
- JF. X-7. ??? K2. Political exploration. (126)** **G-MAN**  
One of the first three Romance Languages in present column. Proper noun, renown explorer.
- JF. X-8. Dutch Patristocrat. K2. Emotion. (98) (van de zanger) English Key.** **BARK**  
Crib placed at position 40. Plaintext begins “Het....” From the penning’s of Lebanese poet, Khalil Gibran.
- JF. E-2. Nihilist Transposition. Bitter truth. (make) Look for Helsinki in the plaintext.** **RHIZOME**
- JF. E-4. Fractionated Morse. Cosmic pollution. (life we) Crib placement, position 118.** **L. TWIN**
- JF. E-16. Trifid. Frozen stiff. Poem by Robert Service on happening on the marge Lake Lebarge.** **RR TRACK**
- JF. E-17. Bifid. What all this data means. Crib placement, position 81. Subject – Statistics.** **NIVEK**
- JF. E-20. Quagmire IV. King of instruments in Spain. Crib position 156, extend to “I gave myself up.”** **THE RAT**
- JF. C-Sp-2. Equations. (Two words, 0-9)** **BION**  
“P” must equal zero, “N” can equal no more than 9. Try R=6, 7 or 8 and “N”= 7, 8 or 9 to find solution.
- JF. C-1095. Quagmire IV. Grammar poem. (218) (wouldbeallowed) (sameimsuretheydallagreewouldgoforhe)**  
Period nine. Cribs placed at positions 179 and 56. **THE RAT**
- MA. A-24. Aristocrat. Seaman around the bend. K2. (81)** **LA CRAPAUD**  
Might the title hint at finding a sailor in the plaintext?
- MA. P-12. Use your imagination! K3. (96/22) (GUEY) Crib located at ciphertext KFHC.** **BARK**
- MA. X-9. Latin Railfence. Tranquility. (lenis) Five rails, three offsets, begins “Est....”** **THE DOC**
- MA. E-1. Null. Scrub it. (QRRQ) Decide if crib is “deed” or “noon.”** **ANGO-KA**  
Look for crib letters location within successive ciphertext words to determine key.
- MA. E-2. Checkerboard. Where’s the phone booth? (carry)** **RIG R MORTIS**  
Keys – Side: MONEY, Top: FUNDS. Crib placement at ciphertext digraph position 38.
- MA. E-4. Baconian. Need a bigger boat. (GOMN) Plaintext begins “Every....”** **LIONEL**
- MA. E-6. Amsco. Practice, practice, practice. (things-2) Period nine, begins “Only....”** **EL CONDOR**
- MA. E-7. Route Transposition. Live and learn. (IRSYKL) 6 rows, 9 columns,, begins “Man.....”** **APEX DX**
- MA. E-9. Inc. Columnar. Historical relics. (MBOFLAPBSBK) Period 7, begins “The”** **BRASSPOUNDER**
- MA. E-12. Redefence. Blond or brunet. Four rails, no offsets, begins “Be.....”** **MARSHEN**
- MA. E-13. Foursquare. Fighting for the Dardanelles. Australian constructor suggests Aussie plaintext.** **CRUX**
- MA. E-19. Bazerries. And give him a smaller hat size. (remember)** **OZ**  
Contact LIONEL for more detailed Lesson Plan explanation of Bazerries Cipher. You will receive an understanding of why only “FORTY” works for the start of this Cm edition’s E-19 Bazerries. Crib is placed within MUMSUDKSMHU ciphertext. Reversed plaintext “When” begins with key numeral four. Numerals 6, 3, 5, 8 follow but not in this order.
- MA. E-23. Trifid. Sure-footed. Extend tip – “bag over her head for more dramatic”** **BECASSE**
- MA. C-11. Undecimal Additions. (three words, 0-A)** **ASYMPTOTE**  
Determine why A must =1, I must = 4, N must = 2, M must = 0 and S must =7. It’s all downhill from there.
- MA. C-13. Sudoku. (Three words –Col 1) Interactive Sudoku website: <http://www.scanraid.com/Sudoku.htm>**

Sunny CIPHERING, LIONEL

cc: ACA Executive Board