

1. Encipher the message "We will learn some statistics" using Playfair system with key work "builder."

2. Decipher the message:

TG DL EK OH VP KX LQ XB SX LS OZ FE

using the Playfair system with key work "contact."

3. Encipher the following Charles Dickens quote

"It was one of those March days when the sun shines hot and the wind blows cold: when it is summer in the light, and winter in the shade."

using rectangular transposition with key word *knight*.

4. Decipher the following message

OMNRP SADYA AETMN ROCNT FTTSE RERTW OEHYO DELFE ROARE IPMAL LRDOA
RTWIE EYOTL OMODO MRTTR OHYOD TWODO SPCAT SBCI

knowing it was encipher with rectangular transposition with key word *writing*. Make sure restore spacing between words, capitalization and add punctuation to make it readable.

5. Decipher message

ECP TAW VBY YEA RKM ILP DMB KON XGR KEO HSN IBR WGE GVD TBN

using vernam two-tape with keys *Raiders* and *commons*.

6. Look on the website for homecoming events at USD. Choose an event that you would be most likely to attend and write that down. I won't make you actually go to the event but consider doing it, it builds school spirit.