

**Cryptanalysis of affine ciphers**

**Overview.** You'll do a frequency count of some affine-enciphered text, including a count of bigrams and trigrams.

**Things to do.**

1. Obtain a copy of the handout "Cryptograms #4: Affine ciphers" and a blank frequency histogram.
2. Choose a cryptogram from the sheet, and make a frequency count of the first 200 letters in the cryptogram.
3. Starting with the most frequent letter in your cryptogram, make a bigram count. If you have time, do the seven highest-frequency letters.
4. You should be able to identify the cipher equivalents of the letters **t**, **h**, and **e**. Write (on graph paper) alphabet and fill in the cipher equivalents of **t**, **h**, and **e**.