1. Collocates: Using COCA, find the following information about collocates with the word *pie*.

A. 4 ‘ingredient’ collocates in the L1 position:

B. 4 noun collocates in the R1 position:

C. Which one is not about food?

D. 3 noun collocates in the L3 position:

E. In the L4 position, you’ll see *piece of the pie* and [as] *American as apple pie*. Explain these two idioms.

2. I have the pleasure of working with and doing research with a Canadian who has become one of my closest friends. However, he and I regularly disagree about English usage. One example is that he prefers using *firstly*, *secondly*, and so forth, while I opt for the shorter forms of *first* and *second*. Using COCA and BNC, check the

A. In American English, what are the respective frequencies of *first* and *firstly*? (Hint: search for adverbs (click POS) using first\**.*

B. In British English, what are the respective frequencies?

C. Next, search using first\* again, but this time search for nouns, adjectives, and adverbs. How many of each category do you find?

D. Of the adjectives, how many are hyphenated?

E. What is one example sentence for the longer of the two nouns?

3. Search for the noun *fireworks* using COCA.

A. What eight verbs typically collocate with *fireworks* in American English?

B. Do you find *play fireworks* in the list?

C. What are the relative frequencies of *watch fireworks*, *see fireworks*, and *look at fireworks*? (Remember that there are several forms for each verb: watch, watching, and watched.)

D. Check the context of each of the three verbs. What patterns do you see?

4. Search for the noun *disaster* using COCA.

A. What are five adjectives that typically precede *disaster* in American English?

B. What four nouns follow *disaster*?

C. What are the relative frequencies of *watch fireworks*, *see fireworks*, and *look at fireworks*? (Remember that there are several forms for each verb: watch, watching, and watched.)

5. A common lexeme that can be problematic is 認める, for which the many possible lexemes include *accept*, *acknowledge*, *admit*, and many others. Use COCA to investigate and then write a brief description of five possible English lexemes for 認める.