| WORD | CODE |
| :---: | :---: |
| a | 1 |
| after | 2 |
| am | 3 |
| an | 4 |
| and | 5 |
| are | 6 |
| be | 7 |
| before | 8 |
| do | 9 |
| eat | 10 |
| for | 11 |
| go | 12 |
| good | 13 |
| have | 14 |
| he | 15 |
| her | 16 |
| here | 17 |
| him | 18 |
| 1 | 19 |
| in | 20 |
| is | 21 |
| it | 22 |
| lunch | 23 |
| me | 24 |
| not | 25 |
| on | 26 |
| out | 27 |
| room | 28 |
| see | 29 |
| she | 30 |
| that | 31 |
| the | 32 |
| this | 33 |
| to | 34 |
| want | 35 |
| was | 36 |
| we | 37 |
| were | 38 |
| what | 39 |
| when | 40 |
| will | 41 |
| with | 42 |
| work | 43 |
| you | 44 |

## RANDOM NUMBERS

|  | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 0 | 62 | 38 | 75 | 47 | 60 | 33 | 69 | 45 | 60 | 54 |
| 1 | 85 | 59 | 35 | 32 | 8 | 82 | 61 | 64 | 56 | 37 |
| 2 | 17 | 99 | 59 | 9 | 6 | 26 | 21 | 15 | 37 | 16 |
| 3 | 95 | 10 | 21 | 70 | 53 | 94 | 80 | 79 | 36 | 11 |
| 4 | 6 | 79 | 50 | 89 | 34 | 52 | 32 | 40 | 99 | 67 |
| 5 | 41 | 85 | 79 | 95 | 56 | 41 | 36 | 88 | 51 | 8 |
| 6 | 13 | 95 | 24 | 57 | 51 | 1 | 75 | 55 | 39 | 24 |
| 7 | 54 | 14 | 78 | 6 | 89 | 80 | 6 | 50 | 59 | 32 |
| 8 | 75 | 33 | 41 | 48 | 20 | 36 | 50 | 27 | 29 | 49 |
| 9 | 33 | 2 | 20 | 24 | 27 | 8 | 47 | 31 | 61 | 51 |

Every word is represented by a 2-digit number.
To encode a message:

1. Pick a column and row number to begin selecting random numbers from.
2. For each word in your message, add the corresponding

2-digit number to the next random number down.
If any sum is over 99, ignore the hundreds' digit.

For example, suppose we want to encode the message, "I want to eat lunch with you". We can begin anywhere in the random number table, so let's pick column 7 and row 0 . To each word number in our message, we need to add a number down from the list of random Note that the message must begin with "70", so the recipient knows where we started in random number table.
original:
random: sum: $\quad \begin{array}{llllllllll} & 70 & 64 & 99 & 49 & 89 & 63 & 30 & 99 & <---\end{array}$

It's interesting to note that the number 99 appears twice in the ciphertext, but it's just a coincidence. In other words, it's not the same word being used twice.

