

How to use the Cipher Wheels

Cipher wheels are great for encoding and decoding messages, but can be tricky, so let's do a couple of examples to learn. We're going to encode 'GPN', and our key is going to be D, or 3.

So first, line up the outside A with the inside D, like the first image.

Then, on the outer wheel, find G, and see what letter it matches with: J

Repeat this for the other two letters, to find their encoded versions.

G P N => J S Q

To decode the message, keep the wheel in the same position, but read from the inside out.

Some examples for you to try:

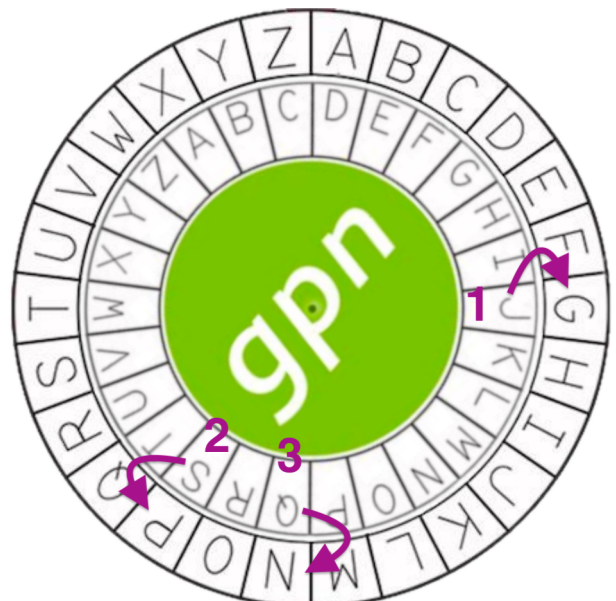
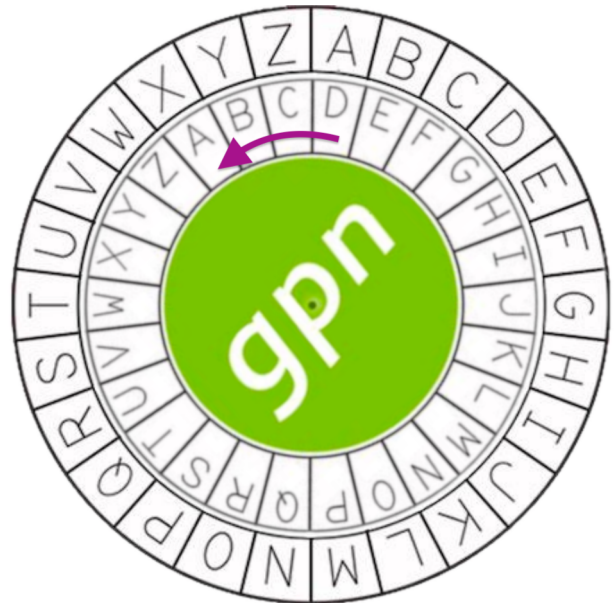
Encode these:

1. *Key: N, Message: secrets*

2. *Key: I, Message: girls coding*

3. *Key: Z, Message: cryptography*

There are more examples and answers on the other side of the sheet.



Decode these ones:

4. *Key: N, Message: frpergf*

5. *Key: G, Message: mvt oy mxkgz*

6. *Key: O, Message: gdwb hvs kvssz*

Answers:

1. frpergf
2. oqzta kwlqvo
3. Bqxosnfqzogx
4. secrets
5. gpn is great
6. spin the wheel