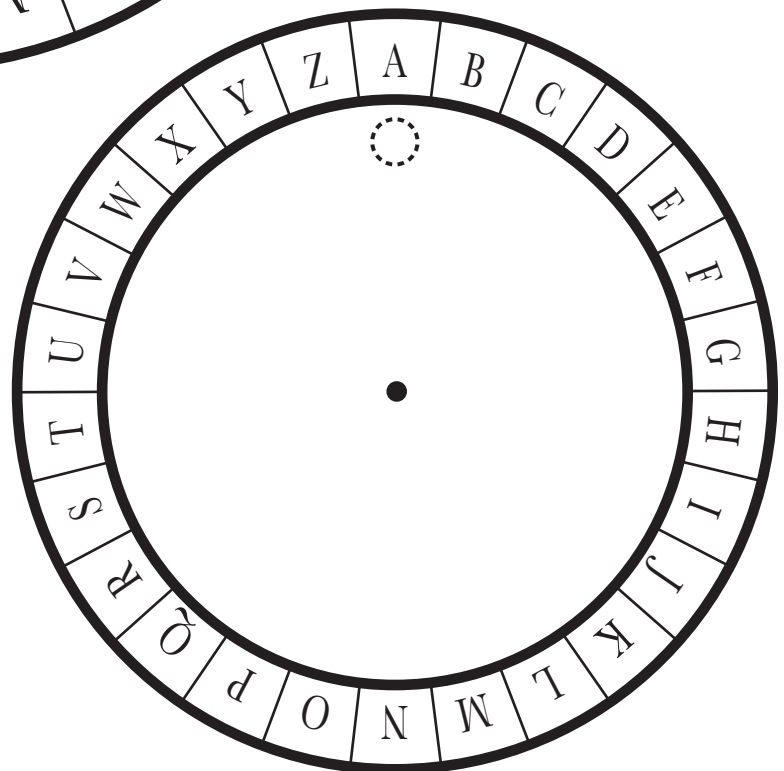
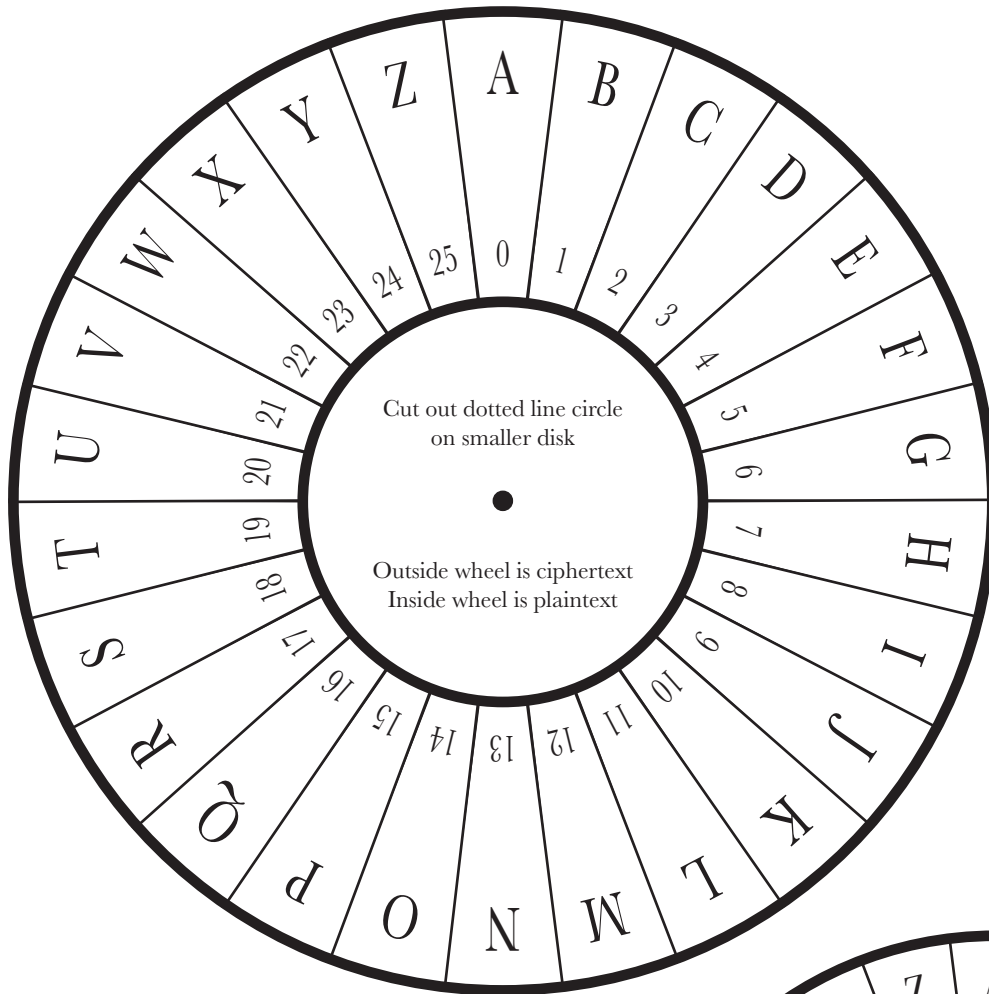
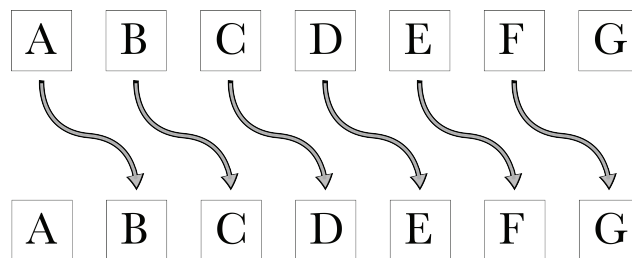


Caesar Cipher



Caesar Cipher

A Caesar cipher (also known as a Caesar shift, Caesar substitution, shift cipher, or a ROT-n cipher, short for rotation by n letters), is a simple substitution cipher. It is made by shifting each letter of the alphabet a predetermined number of places, or rotations (ROT for short). For example, in a ROT1 shift, the letter A becomes B, B becomes C, etc. .



In the example below, the top alphabet is shifted 3 spaces to the right. This is called a ROT3 cipher because the alphabet was rotated 3 spaces.

Plaintext	X	Y	Z	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W
Ciphertext	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
ROT _n	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25

To encode - that is, to convert the plaintext message into ciphertext - take the letters of your message from the top row (plaintext) and replace them with the letters of the bottom (ciphertext).

Using a ROT3 cipher, the following: “What's brown and sticky? A stick.” would look like this:

“Zkdw'v eurzq dqg vwlfnb? D vwlfn.”

Caesar Cipher

A really simple way to encode and decode your messages is using a cipher disk. Cut out the two circles on the first page, cut out or punch a hole through the dotted line circle, and use a brad pin to connect the top circle to the bottom circle.

The number tells you which ROT-n it is, the outside letters are the ciphertext (the coded message) and the inside letters are the plaintext (the original message).

Your turn! Answer the following using a ROT3 cipher.

Would you rather have a flying carpet or a personal robot?

Would you rather be the smartest person alive or the funniest?

Would you rather eat donuts the rest of your life or candy?

Would you rather go to space or live in the ocean?

Would you rather have a pet dinosaur or pet dragon?

Caesar Cipher

Decode the following messages:

If April showers bring May flowers, what do May flowers bring?
(use a ROT7 cipher)

Wpsnyptz.

What has more letters than the alphabet? (use a ROT11 cipher)
Esp azde zqqtnp!

How do you get a squirrel to like you? (use a ROT20 cipher)
Uwn fcey u hon!

How do you make 7 even? (use a ROT18 cipher)
Lscw sosq lzw k.

What do you call a belt made of watches? (use a ROT13 cipher)
N jnvfg bs gvzr.
