Encryption
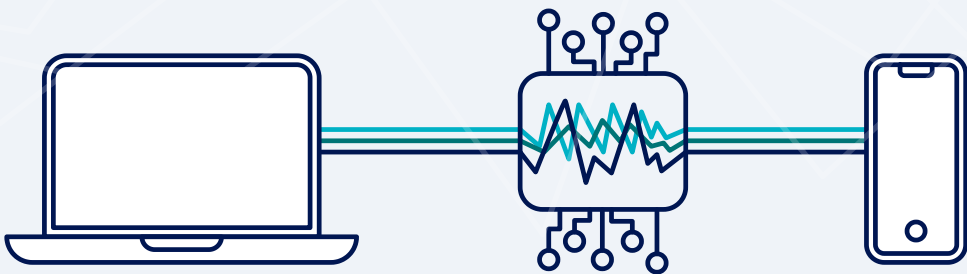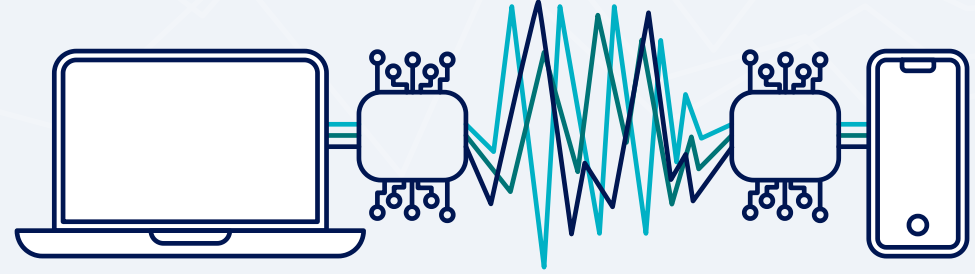## facts and figures

Symmetric encryption
is where only one (secret) key encrypts and decrypts information

Asymmetric encryption
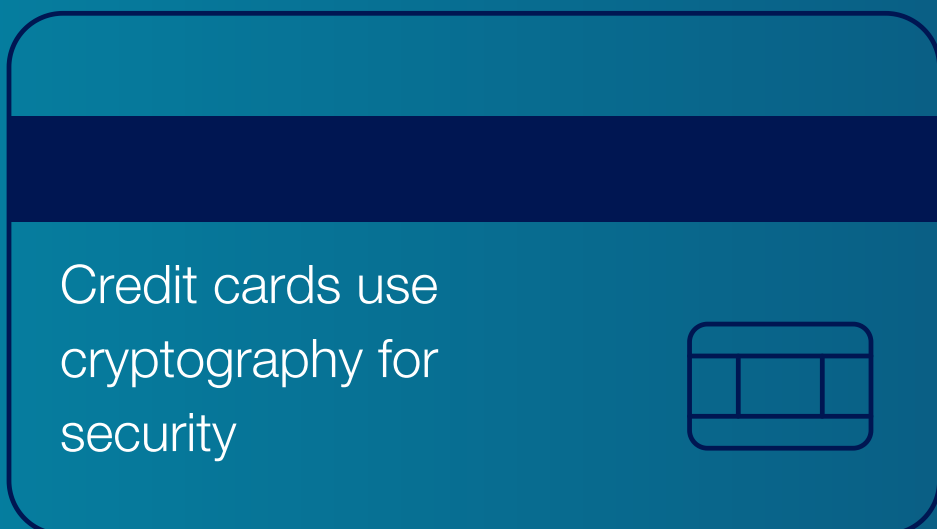is where the sender and recipient have different keys to encrypt and decrypt data

One of the earliest known encryption methods is the Caesar cipher, used by Julius Caesar to protect his military communications

The Caesar cipher substituted each letter for another using displacement. There were only 25 possible encryptions, but it was effective then because many people were illiterate

The science of encrypting and decrypting information is called
CRYPTOGRAPHY

Credit cards use cryptography for security

In 2022, employee mistakes accounted for
47%
of sensitive data breaches

The average cost of a data breach was
$4.45 million
in 2023 – that's the highest average on record