

Substitution Cipher Cryptogram Worksheet

Swap every letter using a fixed secret key

Grades 5–9 • 25 minutes • Intermediate • Answer key included

A substitution cipher replaces each letter with a different fixed letter. Use this key to encode and decode: A=Q B=W C=E D=R E=T F=Y G=U H=I I=O J=P K=A L=S M=D N=F O=G P=H Q=J R=K S=L T=Z U=X V=C W=V X=B Y=N Z=M. Encode by looking up each letter; decode by working the key backwards.

Name: _____

Date: _____

1. Encode with the key: CAT

2. Encode with the key: DOG

3. Encode with the key: HELLO

4. Encode with the key: SECRET

5. Decode with the key: LHN

6. Decode with the key: EGRT

7. Decode with the key: WKQOF

8. Decode the secret message: QZZQEA QZ RQVF
