

Encoding and Decoding

Your Mission

The following slides contain encoded sentences.

- Decode the sentences.
- Describe the set of rules or pattern that encoded the sentence.

Encoded Sentence:

25-15-21 19-15-12-22-5-4 20-8-5 6-9-18-19-20 15-14-5

Rules/Pattern

Every letter corresponds to a number.

A = 1, B = 2, C = 3, ...

Decoded sentence

(Use this space to work it out)

Encoded Sentence:

KVTU LFFQ TXJNNJOH

Rules/Pattern

Every letter is shifted by one.

- $A = B$
- $B = C$
- $C = D, \dots$

Decoded sentence

(Use this space to work it out)

Encoded Sentence:

REVELC SI SECNETNES GNISREVER

Rules/Pattern

(Use this space to work it out)

Decoded sentence

(Use this space to work it out)

Encoded Sentence:
SENTENCE WIT MISSIN LETTER AR CONFUSIN

Rules/Pattern

(Use this space to work it out)

Decoded sentence

(Use this space to work it out)

Encoded Sentence:

UOY ERA YAWFLAH ENOD

Rules/Pattern

(Use this space to work it out)

Decoded sentence

(Use this space to work it out)

Encoded Sentence:

VEREOYEN OLEVS OCPMTURE CSEICNE

Rules/Pattern

(Use this space to work it out)

Decoded sentence

EVERYONE LOVES
COMPUTER SCIENCE

Encoded Sentence:

VOWOLS ORO OMPORTONT ON SONTONCOS

Rules/Pattern

Every vowel is replaced with an "O".

Decoded sentence

(Use this space to work it out)

Encoded Sentence:

IS IT CATS RAINING DOGS AND

Rules/Pattern

(Use this space to work it out)

Decoded sentence

(Use this space to work it out)

Decoded Sentence:

PUPPIES ARE CUTE

Rules/Pattern

Pig Latin:

- If a word begins with a consonant:
 - the consonant is moved to the end
 - and an “ay” is added.
- If not:
 - only “ay” is added.

Encoded sentence

Note: This time you are encoding the sentence.

Encoded Sentence:

Rules/Pattern

This time, come up with your own code. Then use it to encode a secret message!

Decoded sentence

Write your cleverly coded secret message here

Morse Code

You will use these Morse Code rules to decode the next few secret messages.

1. The length of a dot is one unit.
2. A dash is three units.
3. The space between parts of the same letter is one unit.
4. The space between letters is three units.
5. The space between words is seven units.

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 — — ● ●

1 ● — — —
2 ● ● — —
3 ● ● ● —
4 ● ● ● ● —
5 ● ● ● ● ●
6 — ● ● ● ●
7 — — ● ● ●
8 — — — ● ●
9 — — — — ●
0 — — — — —

Rules/Pattern

Morse Code

Encoded Sentence:

— — — — — · — · · · · ·
— · — · — — — — — — · · · · · · · · · ·
— · — · — — — — — — — — — · — · ·

Decoded sentence

(Use this space to work it out)

Rules/Pattern

Morse Code

Encoded Sentence:

— • — • — — — — — • — — • • — •
• — — — • • — • — • • • — — — • •
— — — — — • • • • — • — — —
— — — — • • — • • — • • • — •
• • • • • • • • • • — • •

Decoded sentence

(Use this space to work it out)