



Name:

Date:

Score:

CHECKPOINT 9

Decrypting the Cipher

Interactive Student Worksheet & Study Guide

Based on the VPN.com VPN Guide: <https://www.vpn.com/vpn/>

What Is a VPN Worksheet

Checkpoint 9: Decrypting the Cipher

A VPN encrypts your traffic to secure it. Use the Letter-to-Number key below to decrypt the secret message by writing the matching letters in the blank spaces.

LETTER-TO-NUMBER ENCRYPTION KEY

A=1 B=2 C=3 D=4 E=5 F=6 G=7 H=8 I=9 J=10 K=11 L=12 M=13
N=14 O=15 P=16 Q=17 R=18 S=19 T=20 U=21 V=22 W=23 X=24 Y=25 Z=26

16	18	15	20	5	3	20	25	15	21	18	16	18	9	22	1	3	25
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
23	9	20	8	1	19	5	3	21	18	5	20	21	14	14	5	12	
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Decoded message:

TIP: EACH NUMBER REPRESENTS THE POSITION OF THAT LETTER IN THE ALPHABET (E.G. 1 = A, 2 = B, 26 = Z).

Technical References & Sources

Cited publications, cryptographic specifications, and official document standards utilized across this worksheet.

SCHOLARLY & INDUSTRY REFERENCES

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[2] WireGuard. (n.d.). WireGuard: fast, modern, secure VPN tunnel.

<https://www.wireguard.com/>

[4] Donenfeld, J. A. (2017). WireGuard: Next Generation Kernel Network Tunnel. NDSS Symposium.

<https://www.ndss-symposium.org/ndss2017/ndss-2017-programme/wireguard-next-generation-kernel-network-tunnel/>

[6] IETF. (1999). RFC 2637: Point-to-Point Tunneling Protocol (PPTP).

<https://datatracker.ietf.org/doc/html/rfc2637>