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WORLD WAR 2 AIRFIELDS **CODE BREAKER WORD SEARCH CHALLENGE**

Can you crack the code to identify the Second World War airfields hidden in the word search, and then reveal the secret message?

Follow the instructions on the next page to find out how.

Cracking the Code

During the Second World War, the Allies and Axis powers used codes to send and receive messages in order to prevent one another from finding out what they were doing, or planning to do. Both sides worked on cracking the codes on a daily basis. A mansion house and its grounds on the outskirts of Milton Keynes, became the secret hub of Britain's codebreaking operations. The achievements of the men and women at Bletchley Park, according to the official Historian of British Intelligence and Bletchley Park codebreaker, Sir Harry Hinsley, helped to shorten the war by at least two years.

Now it's your turn. Our code isn't as sophisticated or as complex as those they used during the war, but it still needs to be cracked correctly in order to find the words you need. We're using a mixed alphabet cipher using a keyword.

Here's how it works.

You'll need to create a ciphertext alphabet in order to reveal the coded message. To do this, the keyword is placed under our standard alphabet, ignoring any repeated letters, and then the rest of the alphabet is written in order from the last letter of the keyword (remembering to miss out any letters already written in the keyword). For example, if we use 'Fred' as the keyword, we would get the following alphabets.

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
F	R	E	D	G	H	I	J	K	L	M	N	O	P	Q	S	T	U	V	W	X	Y	Z	A	B	C

If our code read: JGNNQ and we knew the keyword for the ciphertext was 'Fred', we then know that our coded message was 'HELLO'. Apply the same method for your challenge.

World War 2 Airfields

Unscramble the following anagram to identify the key word you need for your ciphertext alphabet. Use that to decode the names of the airfields to complete the word search. Good luck!

CIPHER KEY WORD: TVROCIY

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

AIRFIELDS:

- | | | |
|-------------------|--------------------|-------------------|
| 1. MJVGZHO EHTYO | 9. GPNZVFMNOVT | 17. FATTEO SVEEHJ |
| 2. FVNCZAGY YLOOG | 10. EANNEO MGHLAGY | 18. EANNEO SVETOG |
| 3. DAGYM CEARRO | 11. AIMEOW | 19. ZVLTSACD |
| 4. YLOVN TPGFHS | 12. YLVGMTOG EHTYO | 20. YEVNNHG |
| 5. RHPEMZVF | 13. RAMDOLNHG | 21. OEMZVF SHETM |
| 6. OVMN DALDIW | 14. TPURHLT | 22. TOITOG |
| 7. CZAJJAGY HGYVL | 15. CZVEYLHQO | 23. VNCZVF |
| 8. NZPLEOAYZ | 16. RVALRHLT | 24. NVGYFOLO |

Write your decoded answers at the top of the next page, to use in your word search.

The words in the search grid go in all directions and some are written backwards too!

F G R A N S D E N L O D G E P U X M O Q D G W B
I E H S U F N Y Z D L T R O M K W T B L Q L E L
D A Y U F D E B D E N G L O C D R O F R I A F I
E A S T K I R K B Y L L H Q F L I R Q L J T Y T
S U O X D R V K P Y A C P O T X J B H Q B T O T
L S C Q U S M A L W C O Z M A V U J V F V O H L
J S W T P T O O E E Q N W X P U J D X R M N I E
B X P R Q N A L D P X D N O T R E K S I F U X W
I L B A E R D N W P A D L G S S Z Q Z Q T P C A
W W G U N D A A E E Z I E F F I L C S G N I K L
R F V X I H B G T X T L D E S T N E S V V R N D
O H Z M V X O S N T L L B C T H U R L E I G H E
I X O G X V P E L O N E E R G G N I H C T A M N
I X C Y D M J E L M G R O F F V G P L Z P I Y I
E P Y O A I S E J O P N D I D Q R A I E E B N C
A M A H B N S Z M M D F I E R E Y Z U R K Z H H
B G T S O Y W S K Q Z G E P B H V O E E R L A A
V U L R O I F J C R Y R E U P X C M O J P R O L
N E I S W O M N U D T A E R G I G M I K D X A G
Y N A B X B R M E N Q S E H U N H N C W X C A R
G A T C H A M J S T S M P S A O T C I X P T J O
M F O U L S H A M L J G W T N A S C Y B D A J V
G D D K Z P Z Z C M J J T X T E K Y E K J I M E
R T S D L O W M A H S L E P D Q P K F Q Q W I E

Secret Message:

Complete the following table to reveal the secret message.

Airfield Number	Letter number	letter
2	1	
3	11	
4	3	
6	4	
7	3	
7	7	
17	7	
12	10	
14	5	
16	8	
21	3	
22	3	
6	10	
11	2	
19	3	
3	8	
18	10	
20	1	
24	8	

Answers to all parts of the challenge are on the following pages.

WORDSEARCH ANSWERS

- | | | |
|-------------------|--------------------|-------------------|
| 1. SPANHOE LODGE | 9. NUTHAMPSTEAD | 17. MIDDLE WALLOP |
| 2. MATCHING GREEN | 10. LITTLE SNORING | 18. LITTLE WALDEN |
| 3. KINGS CLIFFE | 11. IBSLEY | 19. HARDWICK |
| 4. GREAT DUNMOW | 12. GRANSDEN LODGE | 20. GLATTON |
| 5. FOULSHAM | 13. FISKERTON | 21. ELSHAM WOLDS |
| 6. EAST KIRKBY | 14. DUXFORD | 22. DEBDEN |
| 7. CHIPPING ONGAR | 15. CHALGROVE | 23. ATCHAM |
| 8. THURLEIGH | 16. FAIRFORD | 24. TANGMERE |

F G R A N S D E N L O D G E P U X M O Q D G W B
I E H S U F N Y Z D L T R O M K W T B L Q L E L
D A Y U F D E B D E N G L O C D R O F R I A F I
E A S T K I R K B Y L L H Q F L I R Q L J T Y T
S U O X D R V K P Y A C P O T X J B H Q B T O T
L S C Q U S M A L W C O Z M A V U J V F V O H L
J S W T P T O O E E Q N W X P U J D X R M N I E
B X P R Q N A L D P X D N O T R E K S I F U X W
I L B A E R D N W P A D L G S S Z Q Z Q T P C A
W W G U N D A A E E Z I E F F I L C S G N I K L
R F V X I H B G T X T L D E S T N E S V V R N D
O H Z M V X O S N T L L B C T H U R L E I G H E
I X O G X V P E L O N E E R G G N I H C T A M N
I X C Y D M J E L M G R O F F V G P L Z P I Y I
E P Y O A I S E J O P N D I D Q R A I E E B N C
A M A H B N S Z M M D F I E R E Y Z U R K Z H H
B G T S O Y W S K Q Z G E P B H V O E E R L A A
V U L R O I F J C R Y R E U P X C M O J P R O L
N E I S W O M N U D T A E R G I G M I K D X A G
Y N A B X B R M E N Q S E H U N H N C W X C A R
G A T C H A M J S T S M P S A O T C I X P T J O
M F O U L S H A M L J G W T N A S C Y B D A J V
G D D K Z P Z Z C M J J T X T E K Y E K J I M E
R T S D L O W M A H S L E P D Q P K F Q Q W I E

Secret Message

Airfield Number	Letter number	letter
2	1	m
3	11	e
4	3	e
6	4	t
7	3	i
7	7	n
17	7	w
12	10	o
14	5	o
16	8	d
21	3	s
22	3	b
6	10	y
11	2	b
19	3	r
3	8	i
18	10	d
20	1	g
24	8	e