

The environment and natural events

Introduction

- **Level:** B1
- **Skills:** Reading
- **Topics:** Vocabulary
- **Merging subjects:** Natural sciences, Geography, Math



The enigma

- **Keywords**

temperature, forest, protected species

- **Toolbox**

Map, picture, link, lock (or paper and pen)

- **Description of the enigma**

You and your friends find yourselves in front of a locked door. Near the door, in an old drawer, you find a map, a strange table and a note that says: "Links, table, map to guide your way/ Or else locked up forever you'll stay!"

Link:

https://ro.wikivoyage.org/wiki/Jude%C8%9Bele_Rom%C3%A2niei#/media/Fi%C8%99ier:Rom%C3%A2nia_Jude%C5%A3e.jpg

Table:

1	2	3	4	5	6	7	8	9
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	

Pythagorean numerology table



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The lock has five wheels to spin for a combination. The first two wheels are letters and the other three wheels are numbers. In order to get the right combination, you have to find:

1. The first letter of the county in Romania with the most brown bears.
2. The first letter of the county in Romania that recorded the highest temperature in June 2021
3. The number of the county that has the largest forested area
4. The number of the county that recorded the lowest temperature in June 2021
5. The difference between the sum of the first two counties and the sum of the last two counties



Solution:

H	T	1	3	6
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- **Hints**

The students can search for every information on the Internet in order to discover these particularities of the country. Example: they can type on Google: the county in Romania with the most brown bears, they will get the answer “Harghita”, so they need the letter “H”. If they need a number, not a letter, they should look for the correspondence letter-number in the Pythagorean table.



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More information

Possible restrictions

Students with Dyscalculia or visual processing disorder may have difficulties.

References

- ✓ Spiridon Ion Cepleanu, 2010, Romania's counties, wikivoyage.org,

https://ro.wikivoyage.org/wiki/Jude%C8%9Bele_Rom%C3%A2niei#/media/Fi%C8%99ier:Rom%C3%A2nia_Jude%C5%A3e.jpg

- ✓ Pythagorean numerology table <https://www.astronumero.org/numerology-charts.html>

✓ Image https://www.nicepng.com/ourpic/u2w7e6w7e6q8w7i1_environmental-clipart-healthy-environment-built-environment-clip-art/

- ✓ Image <https://www.masterlock.com/products/product/1534D>

- ✓ Blank map

<https://i.pinimg.com/originals/1c/6d/94/1c6d9479d86474ee8b3d4a829eeb7a3e.png>

