**BRIEF**

**CHALLENGE:**

Agents at INTERPOL have intercepted several email messages sent to one of the world’s most wanted criminals. The messages are encoded. Your help is needed to decode them. To do this you will need to translate them from Hexadecimal, Decimal and Binary numbers to ASCII text.

**STEP 1:** Learn more about how to do this in the interactive **Online Discovery Brief.**

**STEP 2:** Go to the **Investigate Folder** to find the messages you will decode. Keep a record of the answers.

**STEP 3:** After you’ve completed the challenges head to the **Online CTF Scorecard** and enter your answers to collect flags and ascend Mt. Tenacious.

**STEP 1 - DISCOVER**

Review the interactive **Online Discovery Brief** to learn about:

* Number Systems – Decimal, Binary, and Hexadecimal
* ASCII and Converting Numbers to Characters
* How to use the Scratchpad in the Challenge Folder to help with deciphering the messages

Complete the **Online Discovery Brief** by learning critical information about the SideQuest and testing your knowledge through Brain Flexes. Once you have completed this go to the **INVESTIGATE FOLDER.**

**ABOUT INTERPOL**

The International Criminal Police Organization, commonly known as INTERPOL, is an international organization that facilitates worldwide police cooperation and crime control.

Here is a link to their website: <https://www.interpol.int/en>

**STEP 2 - INVESTIGATE FOLDER**

There are 5 messages in the challenge file. You will decipher each message using:

* the **Hexadecimal, Decimal or Binary** **Scratchpad** included in the Challenge File
* a **Conversion Chart** located on the last page.

Decipher the 5 messages to **find the answer to the questions** in the Scorecard on the next page.

**To decode the message using the Conversion Chart:**

* Identify whether the message uses Hexadecimal, Decimal or Binary numbers.
* Find each number in the Conversion Chart and determine its corresponding ASCII text letter, number or symbol.
* Using the **Scratchpad** below the image of the message, place the decoded ASCII text into the empty fillable boxes.

The “**Clue to the Answer**” provides an idea of the number words and characters found in the answer.

While you are asked to decode the whole message, the goal is to decode enough of the message to answer the question.

**STEP 3 - REPORT**

* Keep track of the answers in **the Scorecard** on this page.
* Then enter these answers in the **Online CTF Scorecard** to collect flags for this SideQuest.
* Take a snapshot of the flags you have collected and turn it in for extra class credit.

**SCORECARD**

|  |  |  |
| --- | --- | --- |
| **CHALLENGE** | **QUESTION** | **ANSWER** |
| **Challenge 1** | How much is Igor offered to steal a painting? |  |
| **Challenge 2** | Based on the map coordinates, what is the name of the museum they will rob?  |  |
| **Challenge 3** | What painting is Igor to steal? |  |
| **Challenge 4** | Which train station will GZ meet Igor at after the robbery? |  |
| **Challenge 5** | To get paid what country do Igor and GZ need to travel to? |  |

**CONVERSION CHART**

**Decimal / Binary / Hexadecimal / ASCII**

