**Challenge 1**

**QUESTION: How much is Igor offered to steal a painting?**

**CLUE TO THE ANSWER: \_ \_ \_ \_ \_ \_ \_ \_ \_ \_ \_ (2 words)**

Decode the email message to answer the above question. To do this, use the Scratchpad below the email. The hex encoded message has already been entered into the Scratchpad.



**Image of the Hex Encoded Email:**

***Note:***

***Hex value 20 = “space” in ASCII Text***

**HEX SCRATCHPAD**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** | **17** | **18** | **19** | **20** |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| HEX | 41 | 20 | 70 | 72 | 69 | 76 | 61 | 74 | 65 | 20 | 63 | 6f | 6c | 6c | 65 | 63 | 74 | 6f | 72 | 20 |
| **ASCII** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| HEX | 77 | 69 | 6c | 6c | 20 | 70 | 61 | 79 | 20 | 79 | 6f | 75 | 20 | 24 | 35 | 30 | 30 | 20 | 6d | 69 |
| **ASCII** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| HEX | 6c | 6c | 69 | 6f | 6e | 2e | 20 | 49 | 6e | 74 | 65 | 72 | 65 | 73 | 74 | 65 | 64 | 3f |  |  |
| **ASCII** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**challenge 2**

**QUESTION: Based on the map coordinates what is the name of the museum they will rob?**

**CLUE TO THE ANSWER: \_ \_ \_ \_ \_ \_ \_ \_ \_ (2 words)**

Decode the email message to answer the above question. To do this, use the Scratchpad below the email. The hex encoded message has already been entered into the Scratchpad.



**Image of the Hex Encoded Email:**

***Note:***

***Hex value 20 = “space” in ASCII Text***

**HEX SCRATCHPAD**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** | **17** | **18** | **19** | **20** |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| HEX | 4D | 72 | 20 | 58 | 20 | 77 | 69 | 6C | 6C | 20 | 6D | 65 | 65 | 74 | 20 | 79 | 6F | 75 | 20 | 61 |
| **ASCII** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| HEX | 74 | 20 | 34 | 38 | 2E | 38 | 36 | 30 | 36 | 2C | 20 | 32 | 2E | 33 | 33 | 38 | 31 | 20 | 28 | 55 |
| **ASCII** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| HEX | 73 | 65 | 20 | 47 | 6F | 6F | 67 | 6C | 65 | 20 | 4D | 61 | 70 | 73 | 29 |  |  |  |  |  |
| **ASCII** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**Challenge 3**

**QUESTION: What painting does GZ want Igor to steal?**

**CLUE TO THE ANSWER: \_ \_ \_ \_ \_ \_ \_ \_ (2 words)**

Decode the email message to answer the above question. To do this, use the Scratchpad below the email. The hex encoded message has already been entered into the Scratchpad.



**Image of the Hex Encoded Email:**

***Note:***

***Hex value 20 = “space” in ASCII Text***

**HEX SCRATCHPAD**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** | **17** | **18** | **19** | **20** |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| HEX | 4E | 6F | 2C | 20 | 49 | 20 | 61 | 6D | 20 | 6E | 6F | 74 | 20 | 6A | 6F | 6B | 69 | 6E | 67 | 2E |
| **ASCII** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| HEX | 20 | 54 | 68 | 65 | 20 | 4D | 6F | 6E | 61 | 20 | 4C | 69 | 73 | 61 | 2E | 20 | 4D | 72 | 20 | 58 |
| **ASCII** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| HEX | 20 | 77 | 69 | 6C | 20 | 74 | 65 | 6C | 20 | 79 | 6F | 75 | 20 | 68 | 6F | 77 | 2E |  |  |  |
| **ASCII** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**Challenge 4**

**QUESTION: Which train station will GZ meet Igor at after the robbery?**

**CLUE TO THE ANSWER: \_ \_ \_ \_ \_ \_ \_ \_ \_ \_ \_ \_ \_ \_ \_ (map coordinates)**

Decode the email message to answer the above question. To do this, use the Scratchpad below the email. The decimal encoded message has already been entered into the Scratchpad.



**Image of the Decimal Encoded Email:**

***Note:***

***Decimal value 32 = “space” in ASCII Text***

**DECIMAL SCRATCHPAD**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| DEC | 77 | 101 | 101 | 116 | 32 | 109 | 101 | 32 | 97 | 102 | 116 | 101 | 114 | 32 | 97 | 116 |
| **ASCII** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| DEC | 32 | 52 | 56 | 46 | 56 | 52 | 52 | 54 | 44 | 32 | 50 | 46 | 51 | 55 | 52 | 51 |
| **ASCII** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| DEC | 32 | 40 | 73 | 32 | 104 | 97 | 118 | 101 | 32 | 97 | 32 | 116 | 105 | 99 | 107 | 101 |
| **ASCII** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| DEC | 116 | 32 | 102 | 111 | 114 | 32 | 121 | 111 | 117 | 41 |  |  |  |  |  |  |
| **ASCII** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**Challenge 5**

**QUESTION: To get paid what country do Igor and GZ need to travel to?**

**CLUE TO THE ANSWER: \_ \_ \_ \_ \_ \_ \_ \_ \_ \_ \_**

Decode the email message to answer the above question. To do this, use the Scratchpad below the email. The binary encoded message has already been entered into the Scratchpad.

**Image of the Binary Encoded Email:**

***Note:***

***Binary value* 00100000 *= “space” in ASCII Text***

**BINARY SCRATCHPAD**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
|  |  |  |  |  |  |  |  |  |  |
| BIN | 01011001 | 01100101 | 01110011 | 00100001 | 00100000 | 01011001 | 01101111 | 01110101 | 00100000 |
| **ASCII** |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
| BIN | 01110111 | 01101001 | 01101100 | 01101100 | 00100000 | 01100010 | 01100101 | 00100000 | 01110000 |
| **ASCII** |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
| BIN | 01100001 | 01101001 | 01100100 | 00100000 | 01101111 | 01101110 | 01100011 | 01100101 | 00100000 |
| **ASCII** |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
| BIN | 01110111 | 01100101 | 00100000 | 01100001 | 01110010 | 01110010 | 01101001 | 01110110 | 01100101 |
| **ASCII** |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
| BIN | 00100000 | 01101001 | 01101110 | 00100000 | 01011010 | 01110101 | 01110010 | 01101001 | 01100011 |
| **ASCII** |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
| BIN | 01101000 | 00101110 |  |  |  |  |  |  |  |
| **ASCII** |  |  |  |  |  |  |  |  |  |