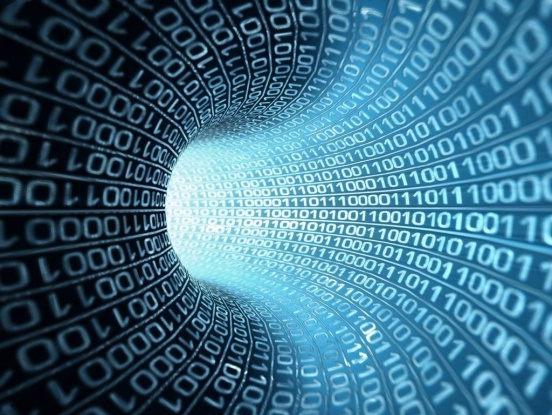
**Computer Science & Software Engineering**

**1.2.1D Hexadecimal to Binary Conversion**

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_ Period \_\_\_\_\_

Technology Education Dept

Pittsford Central Schools

**Procedure**

To convert a Hexadecimal value into a Binary number, display the hex value of each in a four bit binary equivalent.

2E16

2 = 00102 E = 11102

2E16 = 001011102

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| HEXADECIMAL | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | A | B | C | D | E | F |
| DECIMAL | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |

**Convert the following Hexadecimal numbers to Binary:**

1. 2A16 = \_\_\_\_\_\_\_\_\_\_\_\_

2. 5F16 = \_\_\_\_\_\_\_\_\_\_\_\_

3. 6C16 = \_\_\_\_\_\_\_\_\_\_\_\_

4. 5BF16 = \_\_\_\_\_\_\_\_\_\_\_\_

5. 71116 = \_\_\_\_\_\_\_\_\_\_\_\_

6. 64A16 = \_\_\_\_\_\_\_\_\_\_\_\_

7. EA216 = \_\_\_\_\_\_\_\_\_\_\_\_

8. BE16 = \_\_\_\_\_\_\_\_\_\_\_\_

9. 1016 = \_\_\_\_\_\_\_\_\_\_\_\_

10. EC316 = \_\_\_\_\_\_\_\_\_\_\_\_