

**Knowledge**

1. Give the address "101010101" in gray the values of the following:

- a. A one's complement value for the address's complement
- b. The hexadecimal value for the address
- c. Binary for the address's complement
- d. Binary for the address's complement
- e. Binary for the address's complement
- f. Binary for the address's complement
- g. Binary for the address's complement
- h. Binary for the address's complement
- i. Binary for the address's complement

2. How do you determine the IP address of a host on a network?

- a. The IP address is the first number in the IP address
- b. The IP address is the first number in the IP address
- c. The IP address is the first number in the IP address
- d. The IP address is the first number in the IP address
- e. The IP address is the first number in the IP address
- f. The IP address is the first number in the IP address
- g. The IP address is the first number in the IP address
- h. The IP address is the first number in the IP address
- i. The IP address is the first number in the IP address

3. Write the decimal values of the following algorithms:

|              |              |              |
|--------------|--------------|--------------|
| Algorithm 1  | Algorithm 2  | Algorithm 3  |
| Algorithm 4  | Algorithm 5  | Algorithm 6  |
| Algorithm 7  | Algorithm 8  | Algorithm 9  |
| Algorithm 10 | Algorithm 11 | Algorithm 12 |
| Algorithm 13 | Algorithm 14 | Algorithm 15 |

4. Complete the following table:

| Algorithm    | Algorithm    | Algorithm    | Algorithm    |
|--------------|--------------|--------------|--------------|
| Algorithm 1  | Algorithm 2  | Algorithm 3  | Algorithm 4  |
| Algorithm 5  | Algorithm 6  | Algorithm 7  | Algorithm 8  |
| Algorithm 9  | Algorithm 10 | Algorithm 11 | Algorithm 12 |
| Algorithm 13 | Algorithm 14 | Algorithm 15 | Algorithm 16 |
| Algorithm 17 | Algorithm 18 | Algorithm 19 | Algorithm 20 |
| Algorithm 21 | Algorithm 22 | Algorithm 23 | Algorithm 24 |
| Algorithm 25 | Algorithm 26 | Algorithm 27 | Algorithm 28 |
| Algorithm 29 | Algorithm 30 | Algorithm 31 | Algorithm 32 |

5. Write the opposite of some numbers using a correct sign:

- 1000 --- 1000 --- 1000 --- 1000
- 1000 --- 1000 --- 1000 --- 1000
- 1000 --- 1000 --- 1000 --- 1000
- 1000 --- 1000 --- 1000 --- 1000