

Hex Knowledge Quiz

- 1) What is the decimal number for the hexadecimal value of c?
 - a. 42
 - b. 15
 - c. 12
 - d. 20
- 2) How many bits are there in 1 hexadecimal character?
 - a. 4
 - b. 8
 - c. 16
 - d. 32
- 3) How many nibbles are there in a byte?
 - a. 2
 - b. 4
 - c. 8
 - d. 16
- 4) What is the binary value for the hexadecimal value of f?
 - a. 1111
 - b. 0101
 - c. 1100
 - d. 1001
- 5) What is the hexadecimal value of the binary number 1101?
 - a. 5
 - b. 9
 - c. 13
 - d. d
- 6) What is the decimal value of the binary number 1101?
 - a. 10
 - b. 11
 - c. 13
 - d. 14

The following hexadecimal output represents a dump of an IP header of a packet:

```
4500 0028 b5cb 4000 fe01 b229 0102 0304  
c0a8 0505
```

- 7) How many bytes are in this IP header?
 - a. 10
 - b. 20
 - c. 40
 - d. 60
- 8) If the length of the whole IP datagram is found in the 2nd and 3rd bytes offset (offset counting begins at 0) from the beginning of the IP header, what is the decimal length of this datagram?
 - a. 28
 - b. 45
 - c. 40
 - d. 68