

Hexadecimal – base 16 digit range [0..F]	Binary – base 2 digit range [0..1]	Decimal – base 10 digit range [0..9]
0	0000	0
1		1
2	0010	2
	0011	3
4		4
5	0101	5
6	0110	6
7	0111	7
8		8
9	1001	9
	1010	10
B	1011	11
C	1100	12
D		13
E	1110	14
F	1111	15

- Fill in the missing cells in the chart above.
- Using the chart above, convert 0x22BF to binary.
(Remember, 0x before a number only means a hexadecimal number coming up.)
- What is the printed to the console with the following statement:
`console.log('I am the \u0391 and the \u03A9.');` // 0 is a zero
- Go to <https://unicodelookup.com/> and look up the following four-digit hexadecimal Unicode value for a:
music sharp sign _____
- What is the three-letter word that means binary digit? _____

6. How many bytes make up four hexadecimal digits? _____
(Remember: 8 bits in a byte and 4 bits in a hexadecimal digit.)

7. Circle the correct answer as it pertains within the quotes of a console.log statement:

- a. The escape character is a forward slash.
- b. The escape character is a backward slash.

8. What is wrong with the following statement:

```
console.log('It's not a good idea to code this way.');
```

9. JavaScript is _____ in a Google Chrome browser.

- a. assembled
- b. compiled
- c. interpreted

10. Brendan Eich developed Mocha in 1995. Mocha eventually became JavaScript.

- a. true
- b. false

11. Besides JavaScript, what would be beneficial to learn to be a front-end web developer?

- a. Python and SQL
- b. HTML and CSS
- c. Pearl and Ruby

12. What is the result of:

```
15 % 6; //test in the console, if needed
```

13. Why should a programmer put comments in his/her code?

14. Start reading in the *JavaScript for Kids* text at page thirteen and complete the **TRY IT OUT!** on page 17. Stop before **VARIABLES** on page 17, or continue reading if you want!