

Binary, ASCII, and Variables Quiz | 2013

Convert the following numbers from base 10 into base 2

22 _____

143 _____

Convert from base 2 to base 10

0101 0001 _____

1110 1101 _____

Convert from base 16 to base 10

49 _____

BAD _____

Use the ASCII table to fill in the following blanks:

Character	Decimal Number	Binary Number
D		
		1101111

List the type of information that the following data types store as well as their size in bits

Data Type	What type of information stores:	Size (in bits)
int		
double		
char		
long		
float		

Turn Me over there's more on the back

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Fill in each blank with the correct answer/output. Assume each statement happens in order and that one statement may affect the next statement. If the code would generate an error, write ERROR in the answer blank for that code.

```
char cOne = 'e';
byte nomNom = 50;
int iOne = 500;
float downTheRiver = 7.5f;
double rainbow = 100.5;
boolean stop = false;
```

```
System.out.println(cOne);           // LINE 1
System.out.println(nomNom);         // LINE 2
System.out.println(rainbow);        // LINE 3
iOne = nomNom + 1;
System.out.println(iOne);           // LINE 4
System.out.println(stop);           // LINE 5
rainbow = downTheRiver;
System.out.println(rainbow);        // LINE 6
rainbow = cOne;
System.out.println(rainbow);        // LINE 7
iOne = rainbow;                     // LINE 8
```

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____