1.	Number system based on 2.	Binary
2.	Number system based on 10	Decimal
3.	Number system based on 16	Hexadecimal
4.	An encoding system that is only for	ASCII
	English letters.	
5.	First 6 columns for binary.	1, 2, 4, 8, 16, 32
6.	A letter encoding system that is	ASCII
	only 7 bits long.	
7.	Allowed digits in hexadecimal.	0, 1, 2, 3, 4, 5, 6, 7, 8, 9, A, B, C, D, E, F
8.	First 4 columns for hexadecimal	1, 16, 256, 4096
9.	A letter encoding system that is longer than 7 bits.	Unicode
10	Allowed digits in binary.	0, 1
	A letter encoding system for all the	Unicode
	world's languages.	
12.	Why is ASCII useful?	It encodes English letters into binary.
13.	What does the 32 bit stand for in	1 = small letter.
	ASCII?	0 = capital.
14.	What do the last 5 bits (1-16) stand	The letter position in the alphabet. 1 = A
	for in ASCII?	
15.	In hexadecimal, how is 12 written?	C
16.	In hexadecimal, how is 15 written?	F
17.	In hexadecimal, how is 13 written?	D
	In hexadecimal, how is 11 written?	В
	In hexadecimal, how is 14 written?	E
-	In hexadecimal, how is 10 written?	A
21.	Why is binary useful?	Everything on a computer is translated to
		binary. Pictures, numbers, music, letters:
		everything.
22.	Why is everything on a computer	1. Because it is easier to store on
	stored in binary?	hardware.
		2. ONE can be on and ZERO can be off.
		3. A based 10 system would need 10 levels
		instead of 2.
23.	Why is hexadecimal useful?	1. It can be used to summarize 4 digits of
		binary in one digital of hexadecimal.
		2. This makes it easier for HUMANS to read
		binary. 2. Computers dep't use it. They use binary.
		3. Computers don't use it. They use binary.

24. n % 1? (n is not zero)	0
25. n / 1?	N
26. n % 0?	Error
27. n / 0?	Error
28. 1 / n? (n is not zero or one))	0
29. 1 % n? (n is not zero or one)	1
30. n / n (n is not zero)	1
31. n % n (n is not zero)	0
32. a % b if a is bigger than b?	Α
(both not zero)	
eg. 4 % 27?	
33. a % 2 if a is even	0
34. a % 2 if a is odd	1
35. What are two uses of mod?	1. To find if numbers are even or odd
	2. To calculate change or leftovers
36. Mod can only be used with this	int
variable type.	
37. The kind of operations that a	Туре
variable can do.	
38. Another word for Decision	If
Statements.	
39. The amount of memory that a	Туре
variable gets.	
40. Name of the math remainder	Mod (%)
operation.	
41. The place where you place your	Constructor
code in a program.	Output
42. A pencil on a flowchart is used for	Output
<ul><li>this operation.</li><li>43. A way of encoding just English into</li></ul>	ASCII
binary.	
44. A way of encoding all of the	Unicode
world's languages into binary.	
45. A diagram used to plan programs.	Flowcharts
46. To create a new variable.	Declare
47. Binary 1001 has this value in	9
decimal.	
48. Last (optional) clause of an if.	Else
49. A parallelogram on a flowchart is	Input
used for this operation.	
50. Second keyword in a program.	Class

51. An expression that evaluates to true or false.	Boolean
52. The starting point of a program.	Main method
53. The largest type of variable.	String
54. A space in RAM (memory).	Туре
55. Keyword used to declare decimal	Double
numbers	
56. How do you output a tab?	\t
57. How do you output a \	N
58. How do you output a new line?	\n
	OR
	System.out.println();
59. Math function for 3.14159	Math.Pl
60. Math function for exponents	Math.pow
61. Math function for sqrt	Math.sgrt
62. When you are filling in an input	Get and the variable name.
parallelogram on a flowchart, what	Do not write the prompt message.
do you write?	Eg. Get num
63. When you are filling in a Boolean	The stuff in the if's Boolean expression.
expression diamond, what do you	It is in the brackets ( )
write?	Do not write "if"
64. A variable type can be thought of	1. The amount of memory (RAM) given to
as two things. What are they?	a variable.
	2. The kinds of operations that a variable
	can do, for example math.
65. Strings need these around them	Double quotes
66. Chars need these around them	Single quotes
67. Chars are stored in this format	ASCII
68. Why shouldn't we store all	1. Strings take up the most memory
variables as Strings?	2. Strings can't do math
69. Why are flowcharts useful?	1. They allow us to plan the flow of our
	program
	2. They allow us to visualize how our code
	works.
70. Why are variables useful?	1. We can use them to store input until we
	need it again
	2. We can use them to store the results of
	calculations
	3. We can use them in Boolean
	expressions to make decisions