system memory sizes?

(a) 16MB (b) 64MB (c) 6.4GB

(a) 11 bits (b) 25 bits

Κατ' όικον Εργασία 1

How many bits of memory would be found in a personal computer that has the following

2. What is the decimal equivalent of the largest binary integer that can be obtained with:

3.	Convert the following decimal numbers to binary:
	(a) 193 (b) 751 (c) 2007 (d) 19450
4.	Convert the following binary numbers to decimal:
	(a) 1101.0110 (b) 1001.0011 (c) 0101.1001
5.	Convert the following hexadecimal numbers into binary form and then find the equivalent decimal value:
	(a) 1F20 (b) 0ABC (c) 70D2 (d) 86BA
6.	Add and multiply the following numbers without converting them to decimal:
	(a) Binary numbers 1011 and 101(b) Hexadecimal numbers 2E and 34.
7.	Subtract and multiply the following numbers without converting to decimal:
	(a) (317)8 and (256)8 (b) (2EC)16 and (7B)16 (c) (110011)2 and (101011)2
8.	Represent the decimal numbers 694 and 835 in BCD, and then show the steps necessary to form their sum.
9.	(a) List the 6-bit binary number equivalents for 32 through 47 with a parity bit added in the rightmost position, giving odd parity to the overall 7-bit numbers. (b) Repeat for even parity.
10.	A computer represents information in groups of 32 bits. How many different integers can be represented in:
	(a) binary (b) BCD (c) 8-bit ASCII

Use 32 bits for all three cases.