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**Started on** Sunday, 24 October 2021, 9:24 PM

**State** Finished

**Completed on** Sunday, 24 October 2021, 9:26 PM

**Time taken** 1 min 54 secs

**Grade** 21.00 out of 21.00 (100%)

Question **1**

Complete

Mark 1.00 out of 1.00

A binary bit stores a (n) \_\_\_\_\_ or a (n) \_\_\_\_\_.

Select one:

- ☐ a. 2 or 0
- ☐ b. on or off
- ☒ c. 1 or 0
- ☐ d. 1 or 2

Question **2**

Complete

Mark 1.00 out of 1.00

A computer G (pronounced gig) is equal to \_\_\_\_\_ M bytes.

Select one:

- ☐ a. 1023
- ☒ b. 1024
- ☐ c. 999
- ☐ d. 1000

Question **3**

Complete

Mark 1.00 out of 1.00

A computer K (pronounced kay) is equal to \_\_\_\_\_ bytes.

Select one:

- ☒ a. 1024
- ☐ b. 1023
- ☐ c. 1000
- ☐ d. 999

## Question 4

Complete

Mark 1.00 out of 1.00

A computer M (pronounced meg) is equal to \_\_\_\_\_ K bytes.

Select one:

- ☐ a. 1023
- ☐ b. 1000
- ☐ c. 999
- ☒ d. 1024

## Question 5

Complete

Mark 1.00 out of 1.00

A computer P (pronounced peta) is equal to \_\_\_\_\_ T bytes.

Select one:

- ☐ a. 1023
- ☒ b. 1024
- ☐ c. 1000
- ☐ d. 999

## Question 6

Complete

Mark 1.00 out of 1.00

A computer represents information in groups of 32 bits. How many different integers can be represented in 8-bit ASCII?

Select one:

- ☐ a. 4294967296
- ☐ b. 10,000,000
- ☒ c. 10,000
- ☐ d. None of the Above

Question **7**

Complete

Mark 1.00 out of 1.00

Convert the following ASCII to binary: 01010010 01101001 01100011 01101011 00100000 01010011 01100001 01101110 01100011 01101000 01100101 01111010

Select one:

- ☐ a. Jack Johnson
- ☐ b. Johnny Depp
- ☐ c. Christy White
- ☒ d. None of the Above

Question **8**

Complete

Mark 1.00 out of 1.00

Convert the following binary-coded hexadecimal numbers into hexadecimal: 0001 0000 1111 1101

Select one:

- ☒ a. 10FD
- ☐ b. 11DF
- ☐ c. FD10
- ☐ d. 13CD

Question **9**

Complete

Mark 1.00 out of 1.00

Convert the following binary-coded hexadecimal numbers into hexadecimal: 1000 1011 1010

Select one:

- ☒ a. 8BA
- ☐ b. AA3
- ☐ c. 8C4
- ☐ d. 6B3

Question **10**

Complete

Mark 1.00 out of 1.00

Convert the following binary numbers into decimal: 111001.0011

Select one:

- ☐ a. 57.3125
- ☐ b. 57.25
- ☒ c. 57.1875
- ☐ d. 57.0625

Question **11**

Complete

Mark 1.00 out of 1.00

Convert the following binary numbers to the two's complement form: 1000 0000

Select one:

- ☒ a. 1000 0000
- ☐ b. 0111 1111
- ☐ c. 0111 1110
- ☐ d. 1000 0001

Question **12**

Complete

Mark 1.00 out of 1.00

Convert the following binary numbers to the two's complement form: 1000 0001

Select one:

- ☒ a. 0111 1111
- ☐ b. 0110 1101
- ☐ c. 0111 0111
- ☐ d. 0111 1110

Question **13**

Complete

Mark 1.00 out of 1.00

Convert the following binary numbers to the two's complement form: 1010 1100

Select one:

- ☐ a. 0101 0101
- ☒ b. 0101 0100
- ☐ c. 0101 0110
- ☐ d. 0101 1000

Question **14**

Complete

Mark 1.00 out of 1.00

Convert the following decimal integer into hexadecimal: 185

Select one:

- ☐ a. A9
- ☐ b. B8
- ☒ c. B9
- ☐ d. None of the Above

Question **15**

Complete

Mark 1.00 out of 1.00

Convert the following decimal numbers into binary: 0.625

Select one:

- ☐ a. 0.10100001
- ☐ b. 0.1111
- ☐ c. 0.1111
- ☒ d. 0.101

Question **16**

Complete

Mark 1.00 out of 1.00

Convert the following decimal numbers into hexadecimal: 0.75

Select one:

- ☐ a. 0.A1
- ☒ b. 0.C
- ☐ c. 0.F
- ☐ d. 0.A

Question **17**

Complete

Mark 1.00 out of 1.00

Convert the following decimal number to binary: 230

Select one:

- ☐ a. 0000 0001 1100 0111
- ☒ b. 0000 0000 1110 0110
- ☐ c. 0100 1001 1001 1110
- ☐ d. None of the Above

Question **18**

Complete

Mark 1.00 out of 1.00

Convert the following hexadecimal numbers into binary-coded hexadecimal code (BCH): AD4

Select one:

- ☐ a. 0010 0011 1101
- ☐ b. 0011 0010 0011
- ☐ c. 1101 0100 0010
- ☒ d. 1010 1101 0100

Question **19**

Complete

Mark 1.00 out of 1.00

Convert the following hexadecimal numbers into binary-coded hexadecimal code (BCH): 34.AD

Select one:

- ☐ a. 1101 0100. 0010 0011
- ☐ b. 0010 0100. 0011 0100
- ☒ c. 0011 0100. 1010 1101
- ☐ d. 0010 0011. 0010 0100

Question **20**

Complete

Mark 1.00 out of 1.00

Convert the following hexadecimal numbers into binary-coded hexadecimal code (BCH): 23

Select one:

- ☒ a. 0010 0011
- ☐ b. 0011 0010
- ☐ c. 1101 0100
- ☐ d. 0010 0100

Question **21**

Complete

Mark 1.00 out of 1.00

Convert the following hexadecimal numbers into decimal: AC.DC

Select one:

- ☐ a. 172.1875
- ☐ b. 172.05078125
- ☐ c. 172.75
- ☒ d. 172.859375

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