HW1: Numbering Systems

Due Jan 11 at 11:59pm   **Points** 13   **Questions** 13   **Available** Jan 8 at 12am - Jan 18 at 11:59pm 11 days
Time Limit None

Instructions

Convert numbers between binary, hex, and decimal

This quiz was locked Jan 18 at 11:59pm.

Attempt History

	Attempt	Time	Score
LATEST	**Attempt 1**	39 minutes	13 out of 13

Score for this quiz: **13** out of 13
Submitted Jan 9 at 10:13pm
This attempt took 39 minutes.

Question 1   1 / 1 pts

Convert decimal value 54 to binary using repeated division. Enter your answer as an 8-bit quantity

- ○ 00110100

- ○ 00101000

- ○ 00110000

Correct! ◉ 00110110

- ○ 00101100

- ○ 00111000

Question 2   1 / 1 pts

Convert decimal value 48 to binary using repeated division. Enter your answer as an 8-bit quantity.

- ○ 00111000

○ 00110100

Correct!   ◉ 00110000

○ 00101000

○ 00110110

○ 00101100

Question 3   1 / 1 pts

Convert decimal value 52 to binary using repeated division. Enter your answer as an 8-bit quantity.

○ 00110000

Correct!   ◉ 00110100

○ 00110110

○ 00111000

○ 00101100

○ 00101000

Question 4   1 / 1 pts

Convert decimal value 64 to hexadecimal using repeated division.

○ 54

Correct!   ◉ 40

○ 5E

○ 4A

Question 5   **1 / 1 pts**

Convert decimal value 84 to hexadecimal using repeated division.

○ 4A

○ 5E

Correct!

⊙ 54

○ 40

Question 6   **1 / 1 pts**

Convert the binary value 10101011 to decimal

○ 109

Correct!

⊙ 171

○ 53

○ 150

Question 7   **1 / 1 pts**

Convert the binary value 01101101 to decimal

○ 53

Correct!

⊙ 109

○ 150

○ 171

Question 8   1 / 1 pts

Convert the binary value 10011011 to Hex

Correct!   ⦿ 0x9B

○ 0xCA

○ 0xDF

○ 0x57

Question 9   1 / 1 pts

Convert the binary value 11001010 to Hex

○ 0x9B

Correct!   ⦿ 0xCA

○ 0xDF

○ 0x57

Question 10   1 / 1 pts

Convert the Hex value D32 to binary

○ 1011 0111 0110

Correct!   ⦿ 1101 0011 0010

○ 1010 1001 1000

○ 1100 0101 0100

Question 11   **1 / 1 pts**

Convert the Hex value C54 to binary

- ○ 1101 0011 0010

- ○ 1011 0111 0110

Correct! ● **1100 0101 0100**

- ○ 1010 1001 1000

Question 12   **1 / 1 pts**

Convert the Hexadecimal value: 0xCD to decimal using positional weighting

- ○ 171

Correct! ● **205**

- ○ 220

- ○ 186

Question 13   **1 / 1 pts**

Convert the Hexadecimal value: 0xDC to decimal using positional weighting

- ○ 171

- ○ 186

- ○ 205

Correct! ● **220**

Quiz Score: **13** out of 13

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