

COMPUTER NUMBER SYSTEMS

1. Which number is the largest?

$2A3_{16}$ 1243_8 678_{10} 1010100101_2

678_{10}

2. Evaluate the following expression and express the answer in octal:

$101101_2 * B7_{16}$

20053_8

3. Find the average of the following numbers and express the answer in octal:

110111_2 63_{10} $3A_{16}$ 124_8

101_8

4. Which number has the most 1s in binary representation:

178_{16} 567_8 101110110_2 565_8 377_{10}

567_8