

Answer on Question #78938 – Math – Other

Question

Convert $(4BF8)_{16}$ into equivalent octal numbers.

Solution

It is very easy to do this through binary representation:

$$(4BF8)_{16} = 0100|1011|1111|1000_2$$

To write above expression we just needed to write binary representation of each number of hexadecimal representation one by one.

To get octal representation we need to divide the binary number into groups of three starting from the right:

$$0100|1011|1111|1000_2 = 100|101|111|111|000_2 = 45770_8$$

Answer: 45770_8 .