

## Hexadecimal challenge

- (1) Find the largest number in base 10 which is an English word when converted to hexadecimal. To be a valid word, it must be accepted by <https://scrabble.hasbro.com/en-us/tools#dictionary>

For example, *BED* is a valid word, and  $BED_{16} = 3053_{10}$ .

- (2) Find the largest number in base 10 which is a valid entry when converted to hexadecimal, acceptable by <https://www.merriam-webster.com/dictionary/>

For example, *AAA* is a valid entry on Merriam-Webster, but is not a valid Scrabble word.