Problem of the Week

Proposed by Bernardo Ábrego and Silvia Fernández

February 6-13

A positive integer n is called abundant if the sum of its positive divisors, excluding n itself, is greater than n. For example 12 is abundant because $1+2+3+4+6 = 16$ is greater than 12.

Find an odd abundant number.

(Multiple submissions are allowed and encouraged. The smallest correct answer gets the prize.)