# PROBLEM OF THE WEEK 20

## Due Wednesday, March 27 at 5:00 pm

**Question.** Find the number of positive integers $n$ with $1 \leq n \leq 455$ that satisfy the congruence $n^3 \equiv 1 \pmod{455}$.

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- All answers should be clearly explained. Submit it to the Math/Stat Office, AMB 107.
- If your instructor gives you credit for POTW, write his/her name with the class number.
- Contact Bahattin Yildiz with questions: bahattin.yildiz@nau.edu (AMB 134)
- The problems are available online at https://naumathstat.github.io/problem-of-the-week/