MATH 110-2 Algebra Through History
Practice with Different Bases
September 6, 2019

Background

To practice using the ideas about different number systems introduced today, try the following problems/questions.

Questions

1. What base-10 number is represented by the base-8 number $(231)_8$?

2. What base-10 number is represented by the base-2 number $(110011)_2$?

3. How would you write $(24)_{10}$ in base 8?

4. How would you write $(24)_{10}$ in base 2? How is this related to your answer in question 3?