

p-adic homework

Work in the 7-adics.

1. $\dots 36154 + \dots 13625.$

2. $\dots 36154 - \dots 13625.$

3. $\dots 36154 \times \dots 13625.$

4. $\dots 36154 \div \dots 13625.$

5. Write $\dots \overline{361}54$ as a rational number using the sum of a geometric series.

Bonus. Write $5/98$ as a 7-adic number.