Lesson 12: Decimal Expansions of Fractions, Part 2

Classwork

Example 1

Find the decimal expansion of \( \frac{35}{11} \).
Exercises 1–3

1. Find the decimal expansion of $\frac{5}{3}$ without using long division.
2. Find the decimal expansion of \( \frac{5}{11} \) without using long division.
3. Find the decimal expansion of the number \( \frac{23}{99} \) first without using long division and then again using long division.