**Fractions to decimals questions**:

1. If you do long division to turn a fraction into a decimal, and the decimal repeats, what do you see in the long division process that tells you it has started repeating?

2. If you do long division to turn a fraction into a decimal, and the decimal terminates, what do you see in the long division process that tells you it has terminated?

3. If you were going to find the decimal 1/17 by doing long division, what’s the most long division steps you might have to do before it either terminated or started repeating? Why?

4. If you were going to have a computer find the decimal 1/47, how many digits would you want to tell it to show you so you would be sure to find the point where it starts repeating? Why?

5. Without doing the division, how certain are you that the decimal form of 1/137 either terminates or repeats? Why?