Lesson Objective: To be able to write any decimal as a fraction without using a calculator

 Convert these recurring decimals to fractions in their simplest form.

0.7 0.1 0.8 0.36 0.82 0.135 0.425

2) Write each of these numbers as a fraction in its simplest form.

0.16 0.03 0.61 0.46 0.83 0.182 0.136

3) Look at the decimal equivalents for the fractions $\frac{1}{a}$ where 1< a < 21 (a is a whole number)

a. For what values of a does the decimal not recur?b. Find a condition so that a fraction with numerator 1 does not reccur.