

MAT 127: Calculus C

Mini-Quiz:

Expressing repeating decimals as simple fractions

DO NOT TURN THIS PAGE OVER YET

This mini-quiz is **for practice only**. It will not be graded or even collected.

On the next page, you will find a problem containing three repeating decimal numbers. You are to be asked to represent each of them as a simple fraction, in the simplest possible form (without common factors in denominator and numerator) and put your answer in the corresponding box.

You have **10 minutes** to complete the entire problem.

Taking about 5 minutes on the analogous one-number question on the final should be ok (this would be one point per minute, which is what you need to average). Thus, you are being asked to complete the mini-quiz at a slightly higher pace than needed for the final exam.

Write each of the following numbers as a simple fraction. Put your answer in the corresponding box *in the simplest possible form*.

(a) $0.\overline{73} = 0.737373\dots$

(b) $6.\overline{254} = 6.2545454\dots$

(c) $1.\overline{145} = 1.1454545\dots$