



Review from your math textbook, the procedure for changing a terminating decimal like $.666\ldots$ to a fraction like $333/500$ in lowest terms.

Analyze your procedure and modify it so that you can determine a method to change a repeating decimal like $.666\ldots$ to a fraction $2/3$ in lowest terms.

Share your method in an oral report given to your class.

Extension: Try to find a method to change $.6363\ldots$ to a fraction $7/11$ in lowest terms.

Hyperextension: Try to find a method to change $2.16363\ldots$ to a mixed fraction in lowest terms.