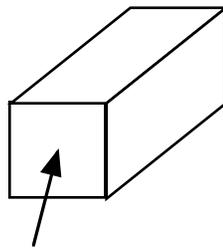




In Class Exercises (ICE) - 11/15/00

A kind relative decides to send you a package of goodies to help you through the exam period. Your relative decides to pack the goodies into a rectangular box with square ends (see diagram below). Strange postal regulations require that the sum of the length and the girth of the package not exceed 200 inches. What size box do you hope your kind relative uses?



Square end.

Note: Girth is the perimeter of the square end of the box.