# ABSTRACT

 The practical problems of early civilizations included the measurement of land, the distribution of goods, the tracking of resources such as wheat, cattle and Taxation, and inheritance calculations . In many cases these problems led to linearity is one of the simplest relationships that can exist among variables.

In This report we present examples from five diverse ancient cultures illustrating how they used and solved systems of linear equations. The examples are dated back before 500 A.D. These examples consequently predate the development of the field of algebra, a field that ultimately led, in the nineteenth century to the branch of mathematics now called linear algebra .