# LEARNING JOURNEY MATHS 

## Expressions and Simultaneous Equations

## Year 9 Spring 1 Half Term 3

Simultaneous equations are a system of equations that are all true together. You must find an answer or answers that work for all the equations at the same time. For example, if you're working with two simultaneous equations, even though there may be a solution that makes one of the equations true, you must find the solution that makes both equations true. Simultaneous equations can be used to solve everyday problems, especially those that are more difficult to think through without writing anything down.
Simultaneous equations can be used when considering the relationship between the price of a commodity and the quantities of the commodity people want to buy at a certain price. An equation can be written that describes the relationship between quantity, price and other variables, such as income. These relationship equations can be solved simultaneously to determine the best way to price the commodity and sell it.


TUDOR HABITS AND VALUES: Simultaneous equations builds on everything we have done within algebra up to this point. You will need to look back at what you have learned in the past. This will require you to show great positive self regulation to go back and revisit topics.

## VOCABULARY:

Intersection
Variable
Coefficient
Simultaneous

