|  |  |  |  |
| --- | --- | --- | --- |
| 3.15 Apply systems of simultaneous equations in solving problems | Apply systems of simultaneous equations in solving problems | Apply systems of simultaneous equations, using relational thinking, in solving problems. | Apply systems of simultaneous equations, using extended abstract thinking, in solving problems. |
| * selecting and using methods
* demonstrating knowledge of concepts and terms
* communicating using appropriate representations.
 | * carrying out a logical sequence of steps
* connecting different concepts or representations
* demonstrating understanding of concepts
* forming and using a model

and also relating findings to a context or communicating thinking using appropriate mathematical statements. | * devising a strategy to investigate a situation
* identifying relevant concepts in context
* developing a chain of logical reasoning, or proof
* forming a generalisation

and also using correct mathematical statements, or communicating mathematical insight. |
| Forming systems of simultaneous equations |  |  |  |
| Forming systems of simultaneous equations – **3 linear equations with 3 unknowns** |  |  |  |
| Solving systems of simultaneous equations  |  |  |  |
| Solving systems of simultaneous equations - **3 linear equations with 3 unknowns**  |  |  |  |
| The nature of solutions to systems |  |  |  |