|  |  |
| --- | --- |
| **Mathematics Methods**  **Unit 1 and 2**  Issue date: Thursday March 4  Due date: Thursday March 18 | **Investigation 1**  Term 1, 2021 |
| Student Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | |

**What is the Coverage?**

Consider the following problem.

***A llama is tethered to one corner of a square shed with a 15 metres length of rope so that it can graze. The shed is 6 metres by 6 metres. Given that the llama can’t get inside the shed, what is the area that the llama can graze?***

Your task is to come up with a detailed solution to the problem in the form of a report in the following format.

**Introduction**

You will need to provide an outline of the problem to be solved.

**Planning**

Design a plan to solve the problem. This may include diagrams, tables and anything else that will help you to solve the problem i.e. describe how you plan to solve the problem.

**Implementing**

Here you will select and apply any mathematical strategies and/or techniques in order to solve the problem.

**Conclusion**

State the solution to the problem.

Note that it is important that all working is shown to justify the solution that you have obtained.

**End of Investigation 1**