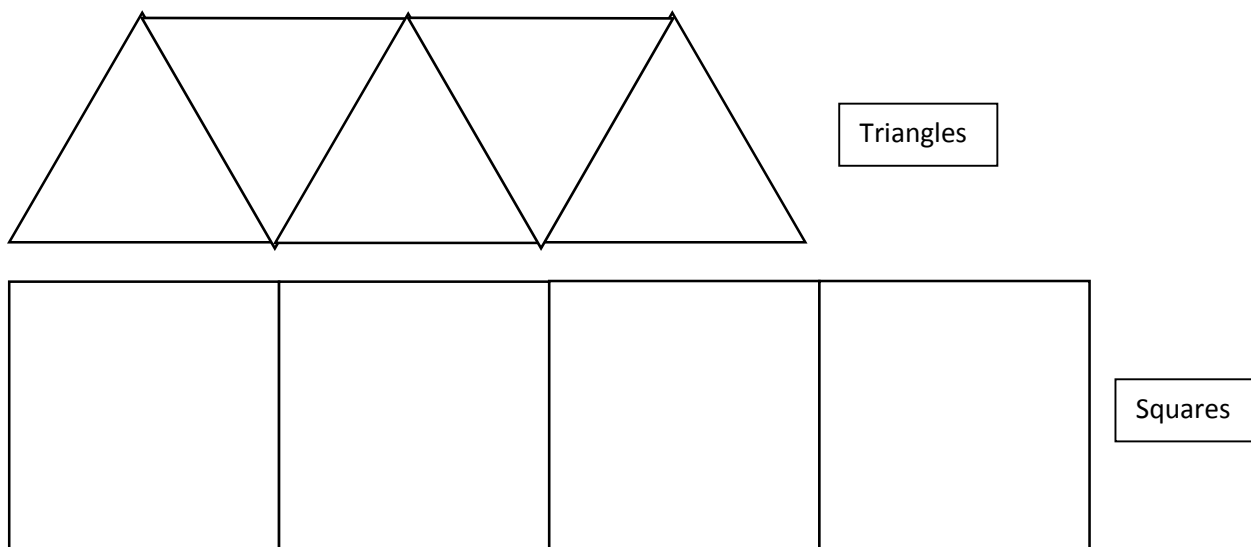




## Shapes vs Lines Investigation

Have a look at the patterns below.



### Task

1. Investigate and analyse the patterns above.
2. Try to find a relationship between the number of shapes (squares or triangles) and the number of lines.
3. Generalise this relationship using algebra.
4. Investigate further into the topic by looking at this pattern in other shapes and trying to find a general formula.

### Instruction

Students have \_\_\_\_\_ of class time and/or \_\_\_\_\_ of homework time to complete this task.

Calculators **are/are not** allowed.

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