**Oscillating Paper Clips Investigation – the Experiment**

**Name**……………………................................................................. **Date**……………………………....

**Now carry out your experiment. Tabulate your timings with the independent variable in the left-hand column and determine appropriate values of T.**

**Use as many columns and rows as you think appropriate.**

**(5 marks)**

**Using a sheet of graph paper, plot a suitable graph to show the expected relationship**

**(4 Marks)**

**Comment on how well your graph supports the relationship between T and x**

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**(2 marks)**

**Measure the gradient of your graph and use this to calculate the constant, k**

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**(4 marks)**

**(Total 34 Marks)**