**PLANNING AN INVESTIGATION – Helicopter**

**Aim: To investigate how wing length of a paper helicopter affects its flight time**

**Independent Variable:**

**Dependent Variable:**

**Controlled Variables:**

**Group Members:**

**H\_\_\_\_\_\_\_\_\_\_\_\_:**

**Materials:**

**Diagram:**

**Method:**

**Steps in the Scientific Method**

1. **Observations and Data Collection: Use the table below B. Once your table is complete, each group member must graph results belwo**

**to accurately and neatly record your data**A grid paper with numbers

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|  |  |  |
| --- | --- | --- |
| **Trial** | **Wing Length (cm)** | **Decent Time (seconds)** |
| **1** |  |  |
| **2** |  |  |
| **3** |  |  |
| **4** |  |  |
| **5** |  |  |
| **6** |  |  |
| **7** |  |  |
| **8** |  |  |
| **9** |  |  |
| **10** |  |  |

**C Find patterns and analyse: As a group answer the following questions:**

1. What could you conclude about the effect the wing length has on flight time?
2. Comment on the validity and reliability of your experiment.
3. List2 improvements that could be made for next time.

a.

b.

1. What is your conclusion regarding the hypotheses? How do the data and graph support your answer?

**D Write a paragraph or make a poster to communicate your results**

**A paper with text and images of a helicopter

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