|  |
| --- |
| **Analyze**  To analyze is to look at closely. |
| **Data**  Data is the information we collect from an experiment. |
| **Pattern**  A pattern is something we notice happens again, something that repeats. |
| **Trend**  The general direction of  how something is changing. |
| **System**  A system is a set of  connected things that work  together, or parts that form a whole. |
| **Prediction**  A statement about what  we think will happen or  might happen in the future |



**The Sun**

**Class Data**

|  |  |  |  |
| --- | --- | --- | --- |
| **Day:** | **Morning** | **Lunch** | **Afternoon** |
| Shadow Direction |  |  |  |
| Shadow Length |  |  |  |
| Shadow Darkness |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Day:** | **Morning** | **Lunch** | **Afternoon** |
| Shadow Direction |  |  |  |
| Shadow Length |  |  |  |
| Shadow Darkness |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Day:** | **Morning** | **Lunch** | **Afternoon** |
| Shadow Direction |  |  |  |
| Shadow Length |  |  |  |
| Shadow Darkness |  |  |  |
| Sun Location |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Day:** | **Morning** | **Lunch** | **Afternoon** |
| Shadow Direction |  |  |  |
| Shadow Length |  |  |  |
| Shadow Darkness |  |  |  |
| Sun Location |  |  |  |

**Class Data – Example Key**

|  |  |  |  |
| --- | --- | --- | --- |
| **Day: 1** | **Morning** | **Lunch** | **Afternoon** |
| Shadow Direction | West | North | East |
| Shadow Length | Long | Short | Long |
| Shadow Darkness | Dark | Dark | Dark |

|  |  |  |  |
| --- | --- | --- | --- |
| **Day: 2** | **Morning** | **Lunch** | **Afternoon** |
| Shadow Direction | West | North | East |
| Shadow Length | Long | Short | Long |
| Shadow Darkness | Dark | Dark | Dark |

|  |  |  |  |
| --- | --- | --- | --- |
| **Day: 3** | **Morning** | **Lunch** | **Afternoon** |
| Shadow Direction | West | North | East |
| Shadow Length | Long | Short | Long |
| Shadow Darkness | Dark | Dark | Dark |
| Sun Location | East and low | North and high | West and low |

|  |  |  |  |
| --- | --- | --- | --- |
| **Day: 4** | **Morning** | **Lunch** | **Afternoon** |
| Shadow Direction | West | North | East |
| Shadow Length | Long | Short | Long |
| Shadow Darkness | Dark | Dark | Dark |
| Sun Location | East and low | North and high | West and low |