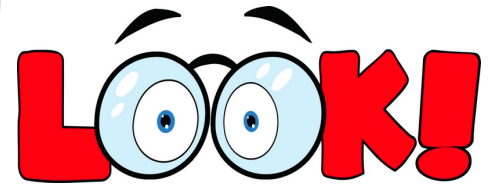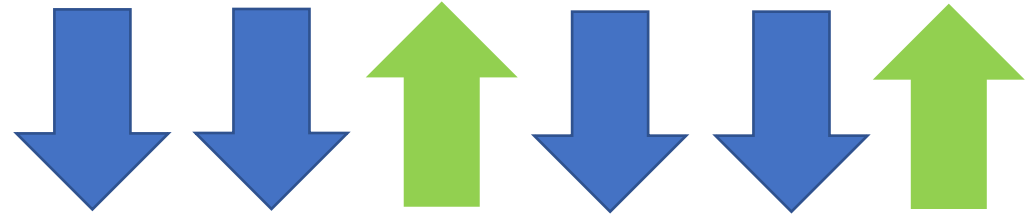# Analyze

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

I predict...

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