**School Weather Predictions**

1. Look at the 3 pictures taken at the school in April. Tell what types of clouds you see in each picture and estimate the amount of cloud cover on each of the days.

|  |  |  |  |
| --- | --- | --- | --- |
|  | Day 1 | Day 2 | Day 3 |
| Type of Cloud |  |  |  |
| Estimate on percentage of cloud coverage |  |  |  |

1. Look again at the type of clouds in each picture. Do you think that any of these clouds produced rain or snow later in the day? Justify your reasoning.

|  |  |  |  |
| --- | --- | --- | --- |
|  | Day 1 | Day 2 | Day 3 |
| Rains? Yes or No |  |  |  |
| Justification |  |  |  |

1. The pictures portray the weather for 3 weeks at your school. Could you predict the cloud types and cloud cover for the next 3 weeks based on the last photo taken? Explain why.

**Table 1: Air Temperature Information at 12:00 pm.**

|  |  |  |  |
| --- | --- | --- | --- |
| **Week** | **Date** | **Temperature at Noon** | **Precipitation** |
| Week 1 | April 1 | 0°C | 2.5” |
| April 6 | 10°C | 0” |
| Week 2 | April 8 | -4°C | 3.0” |
| April 12 | 15°C | 0” |
| April 13 | 21°C | 0” |
| Week 3 | April 15 | 0°C | 0” |
| April 17 | 11°C | 1.5” |
| April 19 | 10°C | 1.2” |
| Week 4 | April 21 | 15°C | 2.0” |
| April 27 | 12°C | 0” |
| Week 5 | April 28 | 5°C | 0” |
| April 29 | 22°C | 0” |
| May 1 | 15°C | 2.5” |
| May 3 | 20°C | 3.0” |
| Week 6 | May 6 | 11°C | 0” |
| May 8 | 13°C | 0” |
| May 10 | 24°C | 0” |

1. Use the data from Table 1 and make 2 line graphs. One graph showing the daily weather temperature, and the other showing the amount of precipitation each day.



1. Look at the bar graph you just completed. Do you see a general trend in your data?
2. Predict the air temperature at school on June 4th, three weeks from when the last photo was taken. Tell how you made this prediction.





May 10