1. The data above shows the water temperature in degrees Celsius, in an office drink fountain. Temperatures are measured from 9am to 5pm.
2. What was the lowest temperature?
3. What time do you think lunchtime began? Why?
4. At what rate did the water heat up between 10am and 11am (answer in degrees/hour)?
5. At what rate did the water cool between 3pm and 4pm (answer in degrees/hour)?
6. During what times was the water temperature change most rapid?
7. When turned to full, the cooler can drop the temperature by 1 degree every 10 minutes. At this rate, how long would it take to change the temperature from 10 degrees to 5 degrees?