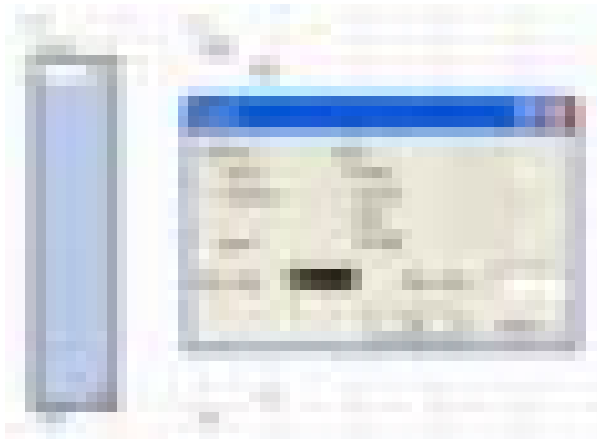


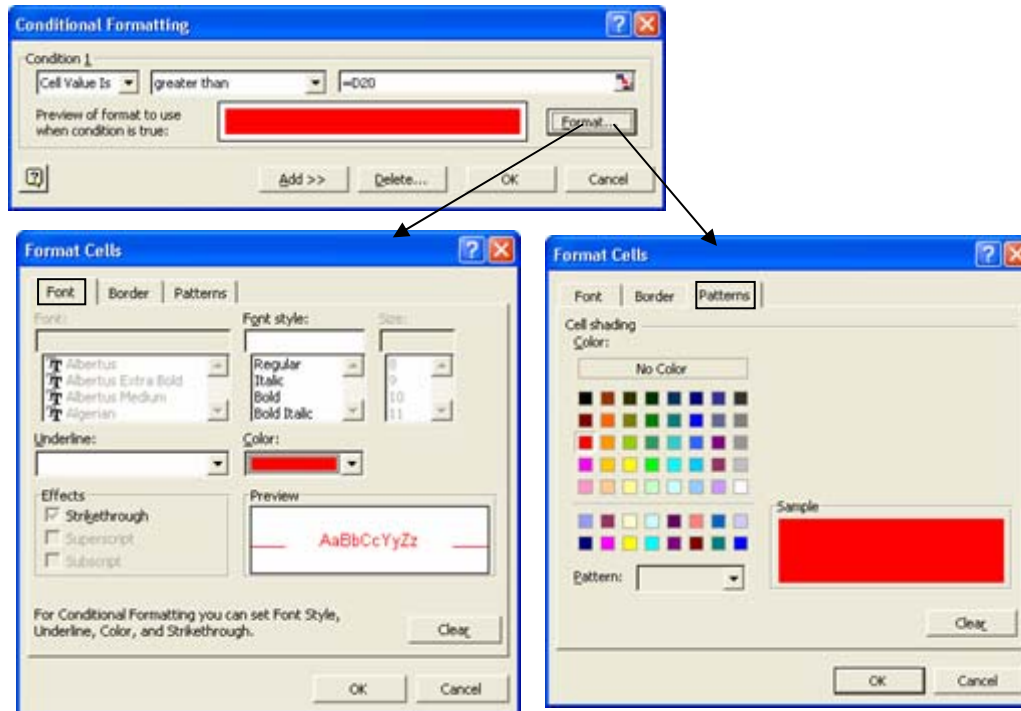


## Step by Step Directions to make a Thermometer

1. Determine which cell the temperature you will be referencing is. We will put it in B3, and assume it is Farenheit.
2. Make the ranges for your thermometer.
  - a. In **D3**, put F
  - b. In **F3**, put C
  - c. In **D4**, put >212
  - d. In **F4**, put >100
  - e. In **D5**, put 212
  - f. In **F5**, put 100
  - g. In **D20**, put 32
  - h. In **F20**, put 0
  - i. In **D21**, put <32
  - j. In **F21**, put <0
  - k. Highlight Cells **D5:D20**
  - l. Select **Edit**→**Fill**→**Series**



- m. Make Sure Linear is Selected.
  - n. Click **OK**
  - o. Repeat with Cells **F5:F20**
  - p. Select Columns **D:F**
  - q. Center the Columns
  - r. Choose **Format**→**Cells**
  - s. Go to **Number** Tab, and select **Number** under category. Set to 1 decimal place
3. Make each value from E4:E21 be equal to **=B\$3**
  4. Select Cell **E21** (No conditional Formatting necessary).
    - a. Make Text Color Red → 
    - b. Make Fill Color Red → 
  5. Select Cell **E20**
    - a. Choose **Format**→**Conditional Formatting**
    - b. Fill in boxes below.
    - c. Choose **Format**, and fillout as below.



- d. Click **OK**
  - e. Select Cell **E20**
  - f. Choose **Edit**→**Copy**
  - g. Choose Range **E5:E19**
  - h. Choose **Edit**→**Paste Special**
  - i. Choose **Formats** Radio Button and Click **OK**
  - j. Select Cell **E4**
    - i. Repeat steps a-d above, but replace **=D20** by **212**
6. Hide Black text
- a. Highlight **E4-E21**
  - b. Change Text Color to White.

You are Done!!!! Test it out!