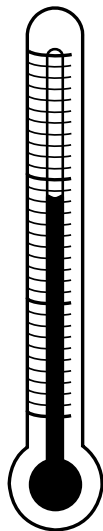


8-1**Real-Life Career Activity*****Weather Researcher***

Weather researchers use weather data to produce tables, graphs, and reports. News agencies, government agencies, and private companies all use these reports. For example, some researchers determine how high ocean waves are expected to be. Lifeguards may use this information to predict how many surfers may be at the beaches the following day. Researchers might also prepare heat index reports, which alert firefighters of conditions favorable for brush fires. Researchers often compare and order integers while assembling these reports.

Suppose a researcher has a table that shows the lowest temperatures for each month of a year. The researcher wants to know which month had the lowest temperature.



Lowest Temperature Recorded in Each Month (°F)											
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
-20	-12	-2	10	26	35	43	36	30	20	-7	-10

The researcher compares the temperatures looking for the lowest. The researcher finds that -20°F is the lowest temperature. This was the low temperature for January, so January had the lowest temperature of the year.

Solve.

- Use the table to order the low temperatures from least to greatest.
- For which months was the lowest temperature below 0°F ?
- For which months was the lowest temperature between 32°F and 40°F ?