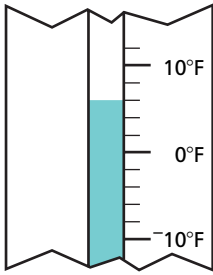


Analyzing Temperature Data

NCTM Standards 1, 4, 6, 7, 8, 9, 10

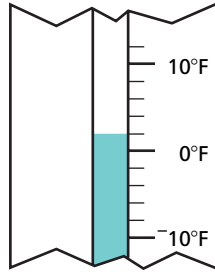
The thermometers show the temperatures at 7 P.M. in Nome, Alaska for 5 nights in December. Fill in the temperatures.

1



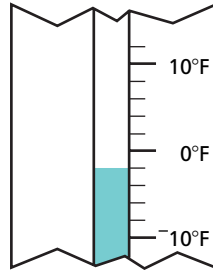
_____ °F
Monday

2



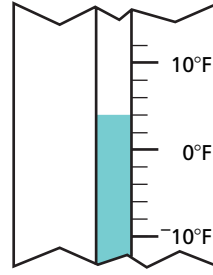
_____ °F
Tuesday

3



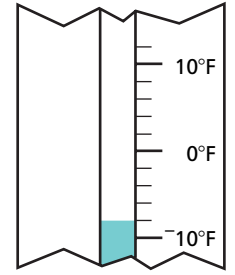
_____ °F
Wednesday

4



_____ °F
Thursday

5



_____ °F
Friday

6 Which day had the **warmest** temperature at 7 P.M.? _____

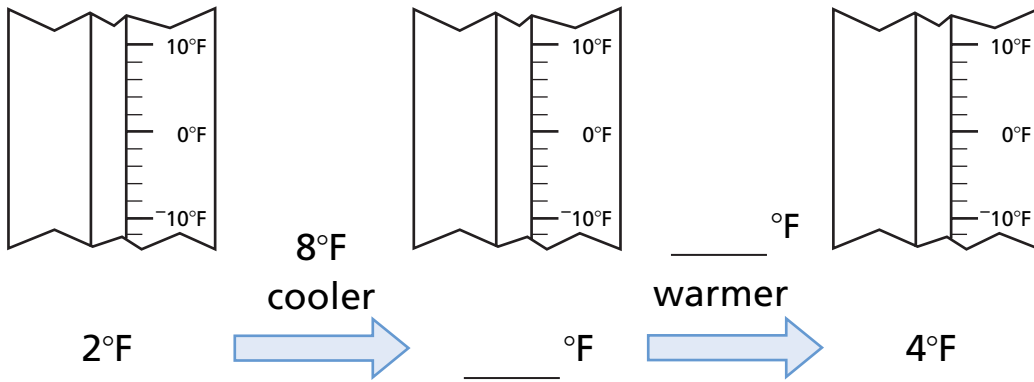
7 Which day had the **coldest** temperature at 7 P.M.? _____

8 Over the five-day period, was the temperature **increasing, steady, decreasing, or variable**? _____

9 How many degrees did the temperature **decrease** from Monday to Tuesday? _____

10 How many degrees did the temperature **increase** from Wednesday to Thursday? _____

- 11 Shade the thermometers. Fill in any missing numbers.



- 12 The coldest temperature ever recorded in Alaska was -80°F . The hottest temperature for Alaska was 180°F more, or _____ $^{\circ}\text{F}$.

- 13 The hottest temperature ever recorded in California was 134°F . The coldest temperature for California was 179°F less, or _____ $^{\circ}\text{F}$.

- 14 **Challenge** Jake knows that water freezes at 32°F , but he can never remember the temperature at which water boils. One day, he figured out that if he **multiplied the freezing temperature by 6 and added 20**, he would get the boiling temperature. Use Jake's trick to find the boiling point of water.
