

Measuring Temperature

NCTM Standards 1, 2, 6, 7, 8, 9, 10

Use the table to answer the questions below.

	Temperature at 7:00 A.M.	Temperature at noon	Temperature at 7:00 P.M.
Monday	60°F	82°F	71°F
Wednesday	53°F	70°F	65°F
Friday	49°F	76°F	69°F

- 1 On what day and at what time was the coldest temperature measured?

On _____ at 7:00 A.M.

- 2 On what day and at what time was the hottest temperature measured?

On _____ at _____

- 3 Which day had the greatest change in temperature from 7:00 A.M. to noon?

- 4 Which day had the least change in temperature from 7:00 A.M. to noon?

- 5 By how many degrees did the temperature change from noon to 7:00 P.M. on Monday?

_____°F

Solve.

- 6 If today's weather forecast is a low of 68°F and a high of 87°F , by how many degrees is the temperature expected to change?

_____ $^{\circ}\text{F}$

- 7 The temperature dropped 16°F overnight. The temperature in the morning was 45°F . What was the temperature the previous night?

_____ $^{\circ}\text{F}$

- 8 Joey has a fever of 101.3°F . By how many degrees must his temperature drop to reach the normal body temperature of 98.6°F ?

_____ $^{\circ}\text{F}$

- 9 **Challenge** Erin is going on a trip to visit her aunt. The weather where her aunt lives is always 23°F cooler than it is where Erin lives. Complete the table with the correct temperatures to help Erin decide what to bring on her trip.

	Monday	Tuesday	Wednesday	Thursday	Friday
Erin's Town	61°F			84°F	72°F
Aunt's Town		35°F	46°F		