

Temperature Readings

Name: _____

A thermometer is a type of number line that is orientated vertically instead of horizontally. Below are some questions about temperatures of thermometers. To help you answer the questions, use the worksheet of thermometers to help you determine the temperature changes.

1. If the temperature recorded on a thermometer is 8°F , what will it be if the temperature:
 - a.) drops 8° ? _____
 - b.) rises 4° ? _____
 - c.) rises 5° ? _____
 - d.) drops 10° ? _____

2. If the temperature recorded on a thermometer is -8°F , what will it be if the temperature:
 - a.) drops 8° ? _____
 - b.) rises 4° ? _____
 - c.) rises 8° ? _____
 - d.) drops 10° ? _____

3. For each of the pair of temperature readings below, give the temperature that is halfway between the two given temperatures.
 - a.) 2° and 8° : _____
 - b.) -4° and 4° : _____
 - c.) -2° and 8° : _____
 - d.) 1° and -11° : _____

4. For each given pair of temperature reading, which of the two temperature readings is further away from -4° on the thermometer?
 - a.) 0° or 4° ? _____
 - b.) -10° or 2° ? _____
 - c.) -5° or 5° ? _____
 - d.) -9° or 0° ? _____

Michigan Temperatures

Name: _____

1. Temperatures were recorded at 9:00 a.m. and noon for a small town in the upper peninsula of Michigan in the first week in January. Some of the numbers are missing. Use the given numbers to complete the table.

January	Temperature at 9:00 a.m.	Temperature at 12:00	Change in temperature from 9:00 a.m. to noon
1	-5°	2°	7°
2	2°	10°	
3	3°	-6°	
4	-10°	0°	
5	-1°		6°
6		-3°	-4°
7	-9°		-1°

2. Using the numbers from the chart, write two statements using the greater than, $>$, or less than, $<$, symbols to compare the given temperatures for:

a.) January 4 _____

b.) January 6 _____

3. From the list above, order the temperatures from 9:00 a.m. from least to greatest.

4. When comparing two numbers, **explain** how you determine which number is greater when:

a.) both numbers are positive? _____

b.) both numbers are negative? _____

c.) one number is positive and one number is negative? _____

Temperature Scales



