Understanding Positive and Negative Numbers - Guided Lesson Explanation

Explanation#1

Step 1) If the values are above the sea level that would mean that the number is positive. If the values would have been given below sea level then the value would have been negative.

The given values are above sea level, so the values are positive.

To find the height that John hiked up the mountain subtract 250 from 1,500.

$1500 - 250 = 1,250$

He hiked up to the height 1,250 feet above sea level.

Explanation#2

When the number is negative, it means that the value is decreasing.

If the value increases that means the value is positive.

The temperature increases in this case, it has to be positive. The value of change was indicated as being 50. So the answer is a) 50

Explanation#3

Step 1) At 10 AM, the temperature is negative and at noon it is positive. This means that the temperature has increased. Increased temperature means that it got **warmer.**

Step 2) In order to find out how many degrees warmer we have to subtract.

 (-4) from 10.

$10 - (-4) = 14$

So the weather is 14° degrees warmer.