Class 7 integers word problems

**Question 1** In a school exam, Rohan’s score was up to 500 points. Then he scored -100 points in the words category. What was his score then?

**Question 2** Kamla has gone for a hiking trip. She ended a hike at an elevation of 5,000 feet above sea level. She had started at an elevation of 5,000 feet above sea level. Which integer represents Kamla’s change in elevation?

**Question 3** Karim lives in Shrinagar, Kashmir. The table below shows the temperature changes in Shrinagar over three hour period.

<table>
<thead>
<tr>
<th>Time</th>
<th>Change in temperature</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 a.m. to 6 a.m.</td>
<td>-1.5 °C</td>
</tr>
<tr>
<td>6 a.m. to 7 a.m.</td>
<td>-2.6 °C</td>
</tr>
<tr>
<td>7 a.m. to 8 a.m.</td>
<td>+1 °C</td>
</tr>
</tbody>
</table>

Karim noticed that temperature at 5 a.m. was -3.5 °C. What is the temperature of Kashmir at 8 a.m.

Answer: -6.6 °C

Hint:- Start with temperature at 5 a.m. and add the change in temperature over three hour period to find the temperature at 8 a.m.

**Question 4** Tell whether the following statements are always true, sometimes true or always false.

a. If a positive is subtracted from a negative integer, the difference is a negative integer.

b. If a positive integer is subtracted from a positive integer, the difference is a positive integer.

**Question 5** Find solutions for the following problems:

a. Both numbers are less than 10.

   The distance between the two numbers on the number line is 14.

b. Both numbers are greater than -15 and less than 5

   One number is 6 greater than the other number.

c. The numbers are opposites.

   The distance between the two numbers on the number line is 18.

d. One number is -35.

   The distance between the two numbers on the number line is 20.

e. The first number is the opposite of -17.

   The second number is less than the first number.

   The distance between the two numbers on the number line is 9.