

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.

Time	Change in temperature
5 a.m. to 6 a.m.	$-1.5^{\circ}C$
6 a.m. to 7 a.m.	$-2.6^{\circ}C$
7 a.m. to 8 a.m.	$+1^{\circ}C$

Karim noticed that temperature at 5 a.m. was $-3.5^{\circ}C$. What is the temperature of Kashmir at 8 a.m.

Answer:- $-6.6^{\circ}C$

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.

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

Question 5 Find solutions for the following problems:

- Both numbers are less than 10.
The distance between the two numbers on the number line is 14.
- Both numbers are greater than -15 and less than 5
One number is 6 greater than the other number.
- The numbers are opposites.
The distance between the two numbers on the number line is 18.
- One number is -35.
The distance between the two numbers on the number line is 20.
- 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.