

Understand A Rational Number As A Point - Guided Lesson Explanation**Explanation#1**

When we open the bracket we get $(- , -)$. Two negatives cancel one another out and leave us a positive.

The answer is $+9$.

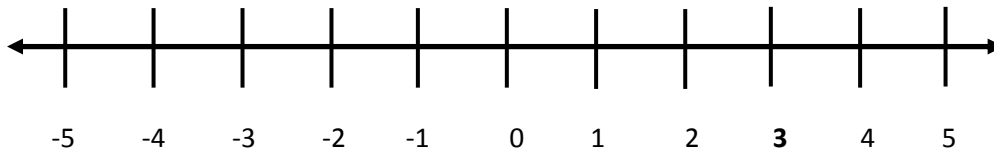
Explanation#2

Step 1) It is clear that they want to know the missing number. Each interval represents 1. So find the missing number by adding or subtracting 1.

Step 2) If the missing number is smaller than 0, than subtract 1 from the next number.

If the missing number is greater than 0, than add 1 to the previous number to the missing number.

So, we know the missing number is greater than 0. Therefore, we add 1 to the previous number to get the missing number. i.e. $2 + 1 = 3$



Step 3) So, the answer is 3.

Explanation#3

Step 1) First we look to see what is being asked of us.

“What is the opposite of 23?”

Step 2) Opposite integers are the same distance from 0, but in opposite directions. This basically tells us that negative and positive numbers are opposites.

Step 3) The opposite of 23 is -23 .

