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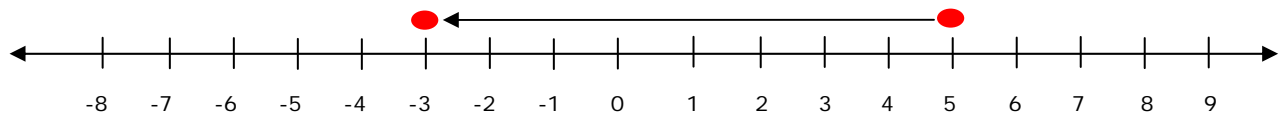
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Addition and Subtraction of Integers - Guided Lesson Explanation:**Explanation#1**

First, we draw a number line and follow the rules:

If we have to add, then we have to move right side of number line and if we have to subtract we have to move in left side of number line.

We will locate 5 on the number line and we have to subtract 8 (8 is a negative number) so we will count 8 numbers to the left of 5



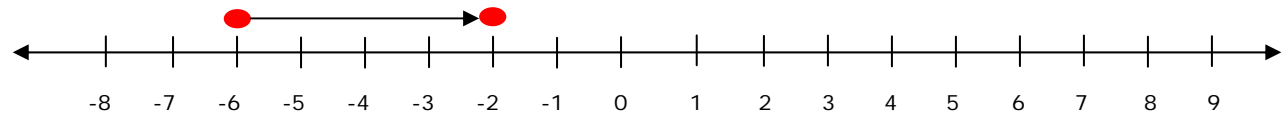
As we count 8 numbers left from 5, we find that 3 is the eighth number.

$$\text{So } 5 - 8 = -3$$

Explanation#2

We know that two like signs become a positive sign. So two signs of minus between -6 and 4 become positive $-6 + 4$

First locate -6 and move right four numbers from -6.



We find that fourth number is -2.

$$\text{So } -6 + 4 = -2$$



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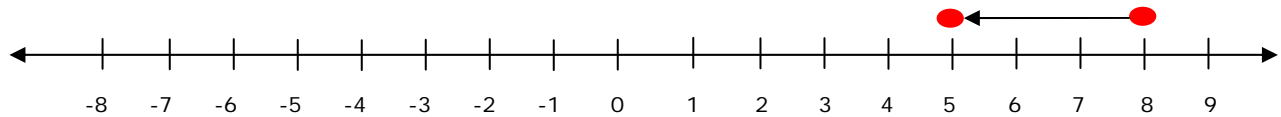
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Explanation#3

Initially Jeff had \$8 if he gave \$3 to his sister that would mean that \$3 should be subtracted from \$8

It can be written as $\$8 - \3 as expression

Draw a number line, locate 8 and move towards the left for 3 numbers since there is a subtraction sign between 8 and 3.



The third number from 8 towards left is 5.

So Jeff will have \$5.

