

NUMBER LINE

Using Negative Numbers and Fractions in a Number Line

A number line is a line that shows any group of numbers in their least to greatest value.

If a number is to the left of a number on the number line, it is less than that number.

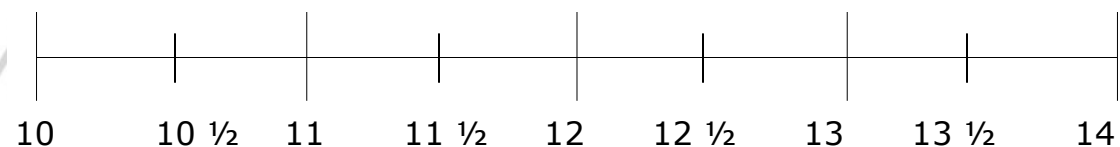
If it is to the right then it is greater than that number.

Here is an example.



You can show fractions on a number line, too.

Fractions are also shown from left to right, from least to greatest. Here is an example.



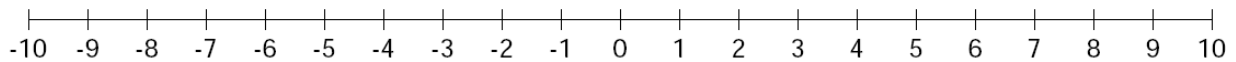
Also, you can show negative numbers on a number line.

Negative numbers are to go to the **LEFT of zero** on a number line, showing that they are less than zero.

Positive numbers are to go to the **RIGHT of zero**, because they are greater in value than zero.

As the **negative** numbers continue to go **left** on the number line, they **decrease** in value.

Here is an example.

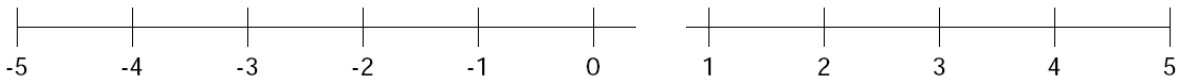


The numbers increase in value as they go towards the right, away from the zero.


The numbers decrease in value as they go towards the left, away from the zero.

Now that you know how to use a number line, try using one.

Fill in the missing number of the number line.



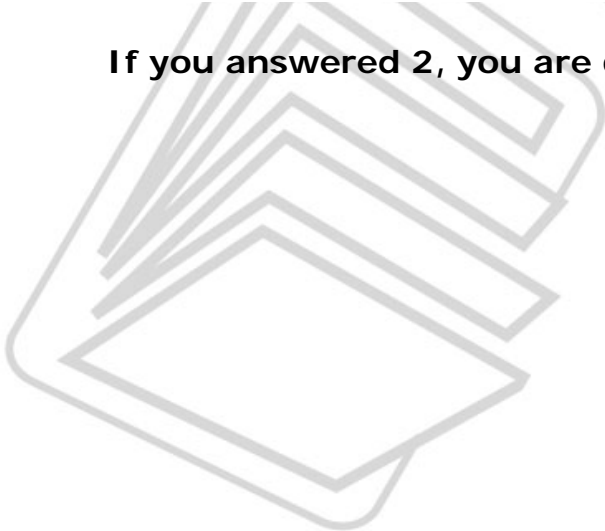
If you answered 2, you are correct!



PREVIEW

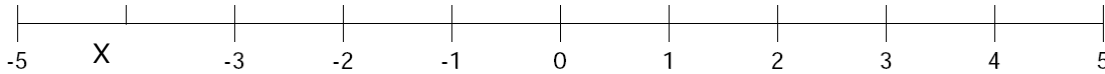
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Try again, this time using negative numbers!

What number does X stand for on the number line?



If you answered -4, you are correct!

Now try using a number line using fractions!

If you wanted to place an X to show where $1\frac{1}{2}$ would be, between which two numbers would you place it on the number line below?



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If your answer is 1 and the 2, you are correct!