


MasterMath

Number Sense

The Number Line and the Coordinate Plane




Negative Number?

You have no money, and want to go to the movies. Your Dad lends you \$10, and you spend it all on tickets and popcorn. How much money do you have now?

~~\$0.00~~ ? **-\$10.00**

The temperature was 6°, but a cold front arrived, and the temperature dropped by 16°. What is the temperature now?



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-14 **14**

$$14 + (-14)$$

$$= 14 - 14 = 0$$

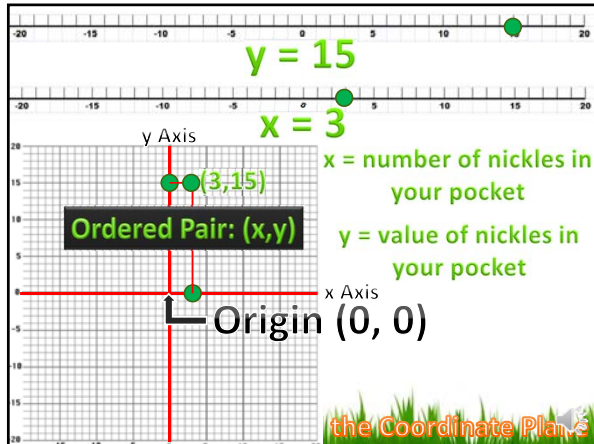
$-14 = |14|$ $14 = |14|$

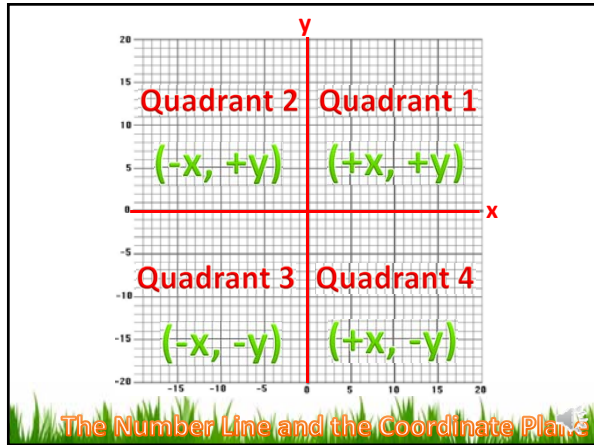
← Negative Numbers Positive Numbers →



Origin

The Number Line and the Coordinate Plane






The Number Line and the Coordinate Plane

YOU TRY IT
Hit your Pause Key, try the problem, then hit your Forward Key to move to the answer.

If we subtract 12 from the number represented on this number line, what number do we get, and where does it fall on the number line?
You try it!

The Number Line and the Coordinate Plane


YOU TRY IT



If we subtract 12 from the number represented on this number line, what number do we get, and where does it fall on the number line?

You try it!

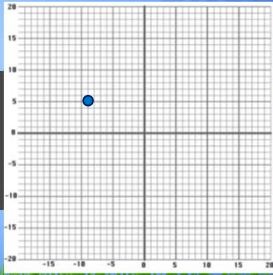
$0 - 12 = -12$




The Number Line and the Coordinate Plane

YOU TRY IT

Hit your Pause Key, try the problem, then hit your Forward Key to move to the answer.

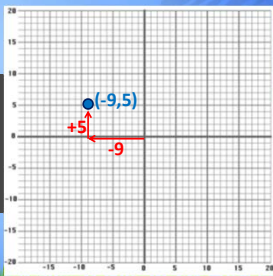


What ordered pair is shown on this Coordinate Plane?




The Number Line and the Coordinate Plane

YOU TRY IT



What ordered pair is shown on this Coordinate Plane?

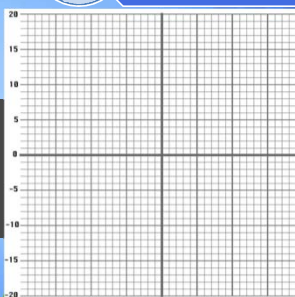


The Number Line and the Coordinate Plane

YOU TRY IT

Hit your Pause Key, try the problem, then hit your Forward Key to move to the answer.

Plot these ordered pairs on the coordinate plane. If you connect the points, what shape have you drawn?



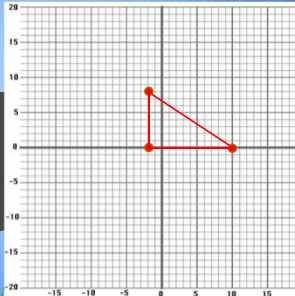
$(-2, 0), (10, 0), (-2, 8)$

The Number Line and the Coordinate Plane

YOU TRY IT

Right Triangle

Plot these ordered pairs on the coordinate plane. If you connect the points, what shape have you drawn?



$(-2, 0), (10, 0), (-2, 8)$



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