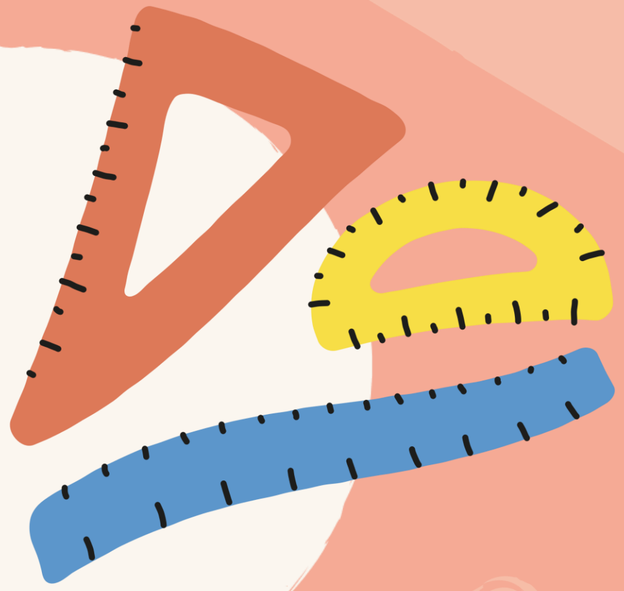
CARTESIAN PLANE



DATE:_____

INDICATOR: To locate a figure or an object on a coordinate system based on conditions.

Fifth grade
Math

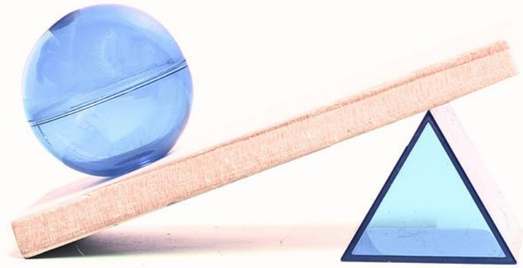
INSPIRED BY mathspace

Warm-up!

Let’s watch the next video

https://www.youtube.com/watch?v=qcb-mcREIi0

https://www.youtube.com/watch?v=LqrHvGAaNDI&t=1s



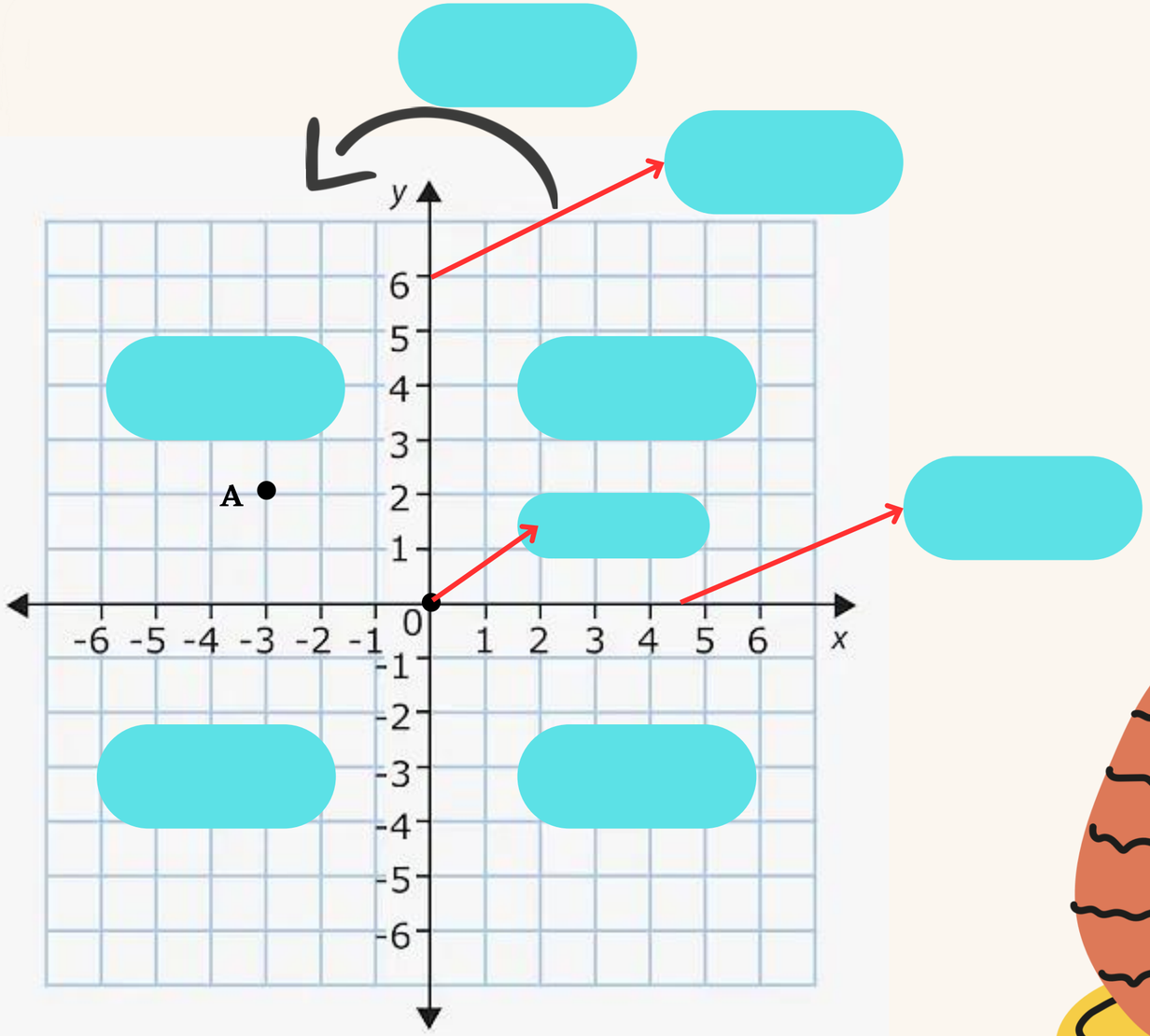
THE CARTESIAN PLANE

It is a two-dimensional geometric place made up of a horizontal x-axis and a vertical y-axis.

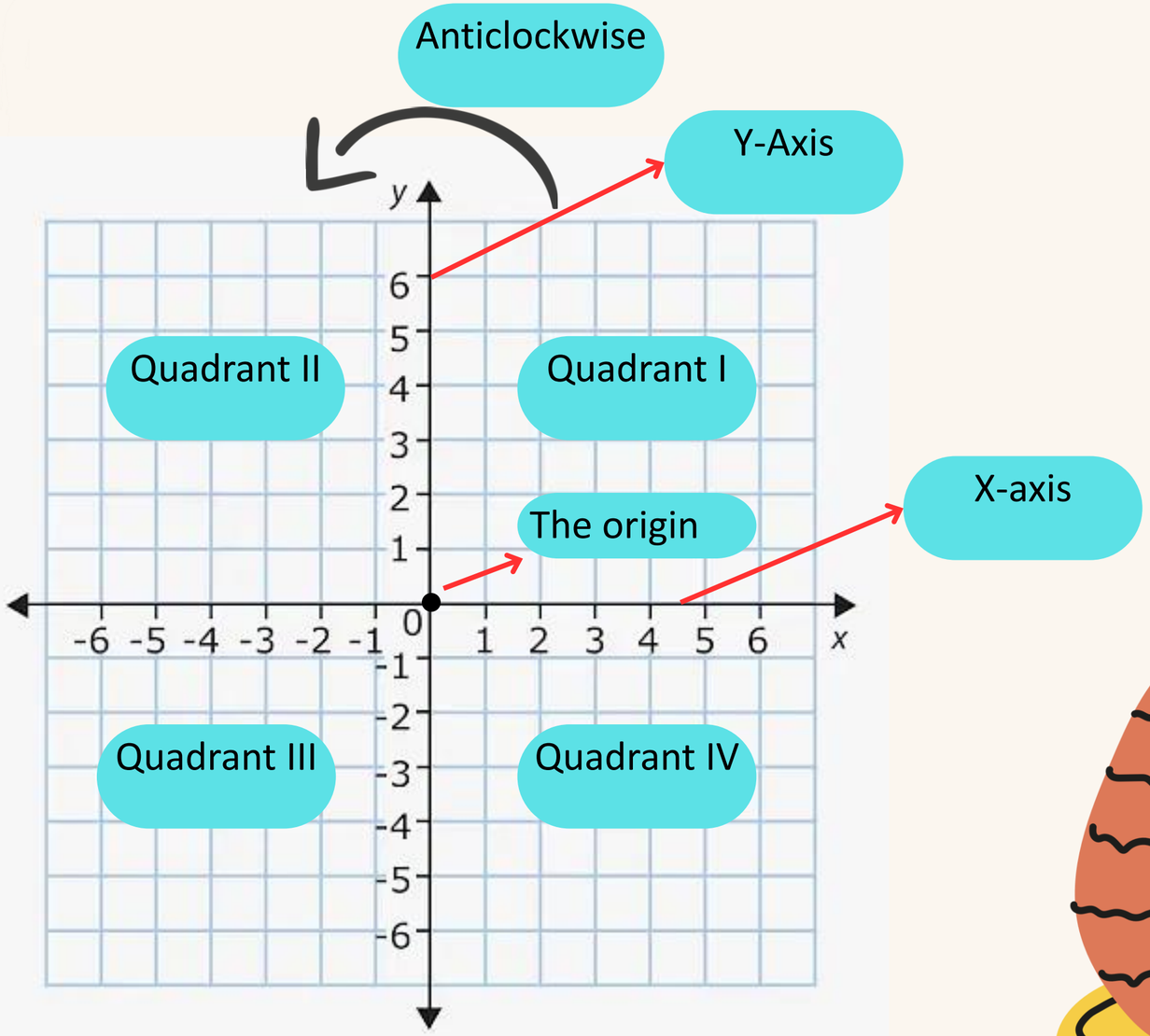
The axes intersect at the origin, which is the point (0, 0).

The Cartesian plane is used to locate points on the plane using a pair of numbers, called an ordered pair or coordinates.

Activity.



Activity.


Anticlockwise
Y-Axis
Quadrant II
Quadrant I
X-axis
The origin
Quadrant III
Quadrant IV
y
x
6
5
4
3
2
1
0
-1
-2
-3
-4
-5
-6
-6 -5 -4 -3 -2 -1
1 2 3 4 5 6

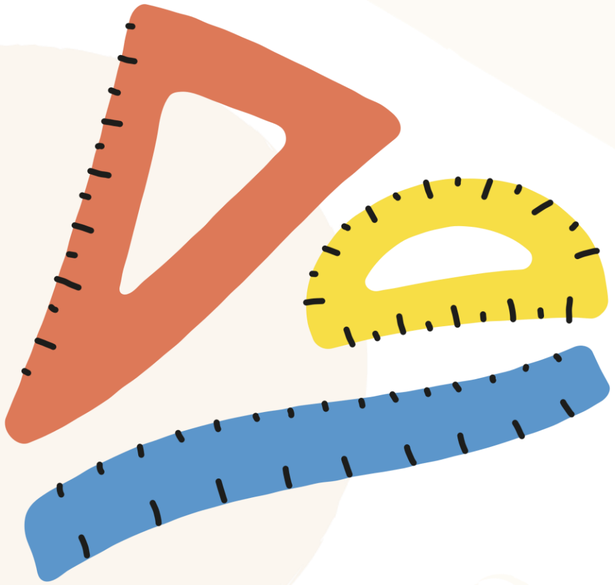

COPY

WRAP-UP!

Identify the quadrants

https://www.geogebra.org/m/xpTk3wBe

CARTESIAN PLANE (2nd Hour)



DATE:_____

INDICATOR: To locate a figure or an object on a coordinate system based on conditions.

Fifth grade
Math

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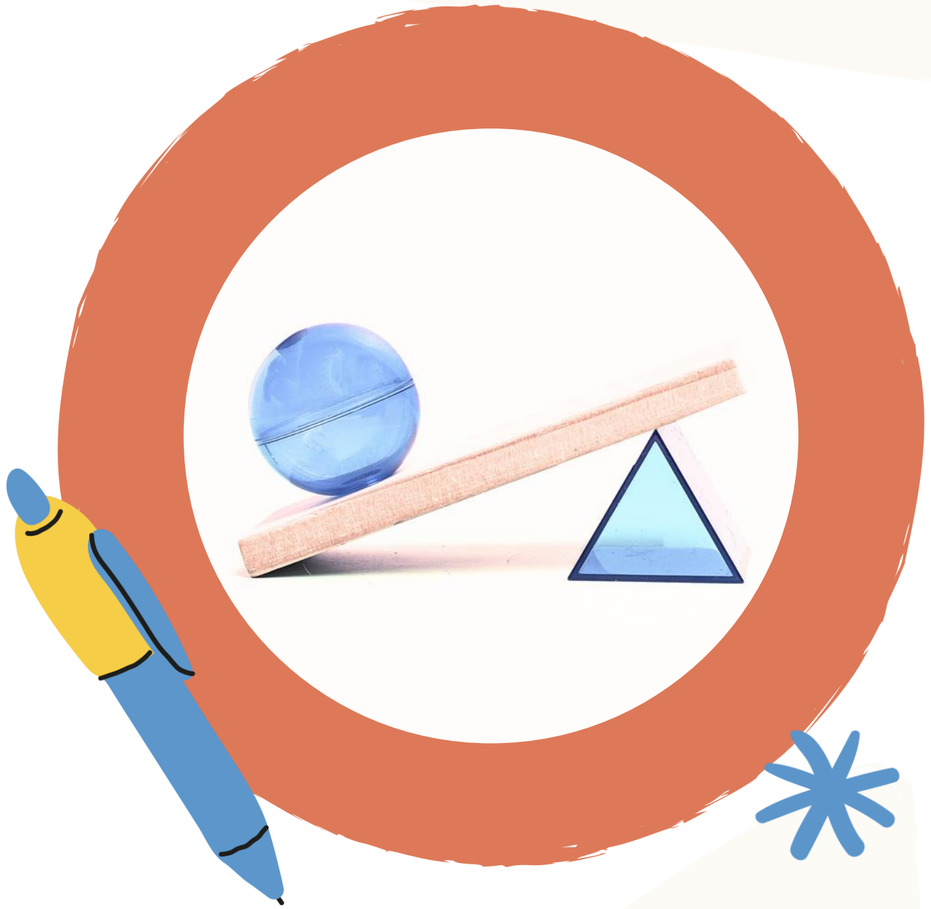
Warm-up!

QUESTIONS:

what is an ordered pair?

How to plot an ordered pair on a coordinate plane?



ORDERED PAIRS

Watch the video

https://www.youtube.com/watch?v=f2_6n81cSUQ

Ordered Pair

$y - coordinate$

$(4, 5)$

$x - coordinate$

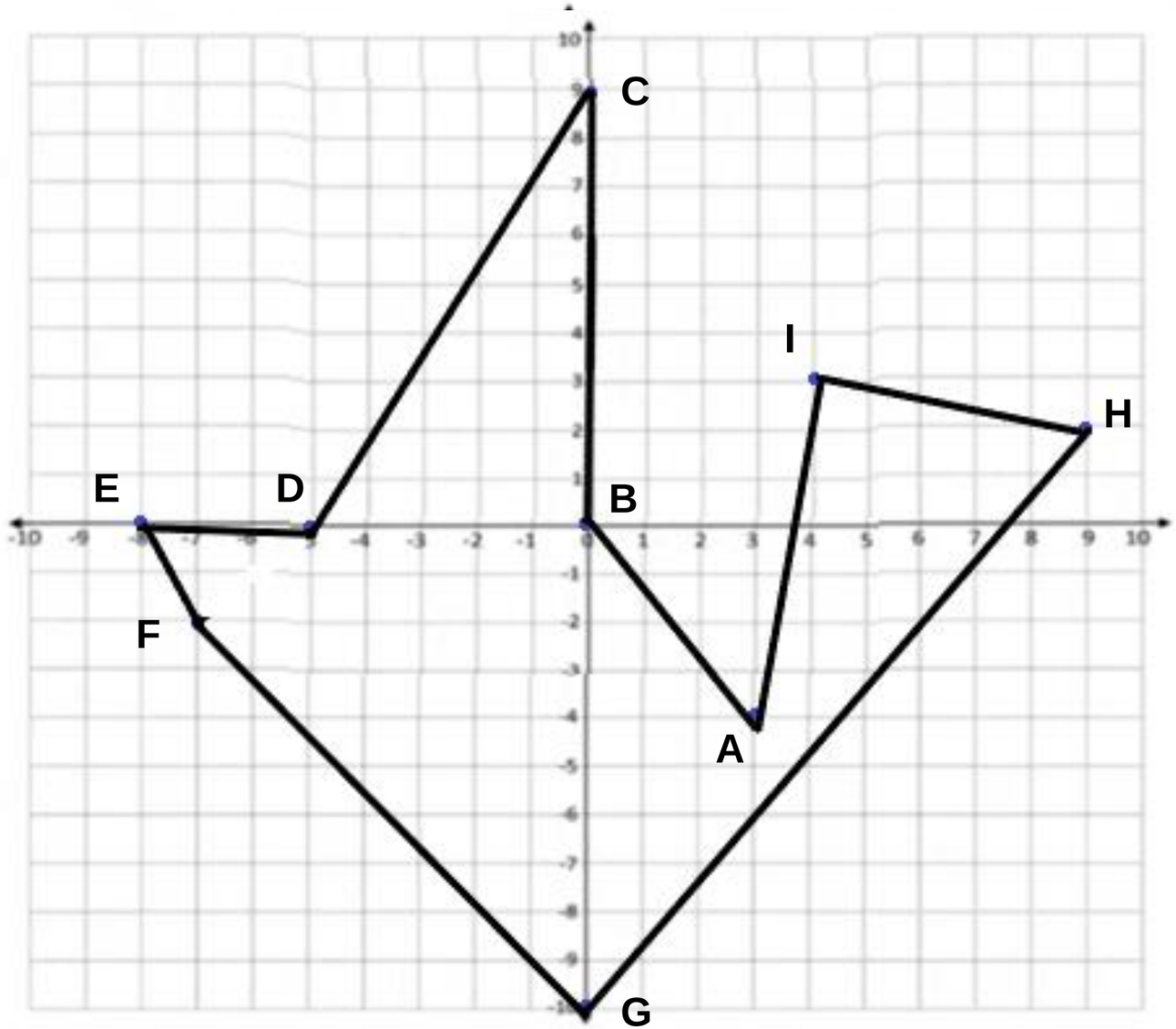
The first number in an ordered pair is the x - coordinate, and the second number is the y-coordinate.

Activity.

Plot the following ordered pairs on the coordinate plane, join them and name the figure formed.

A (3,-4)
B (0,0)
C (0,9)
D (-5,0)
E (-8,0)
F (-7,-2)
G (0,-10)
H (9,2)
I (4,3)

Irregular nonagon



Daily Assessment

A. (0,0)
B. (5,0)
C. (0,9)
D. (3,4)
E. (4,3)
F. (7,2)
G. (5,6)
H. (9,8)
I. (2,1)
J. (4,3)
K. (6,5)
L. (8,7)
M. (10,2)
N. (3,8)
O. (1,5)
P. (0,6)
Q. (1,0)

WRAP-UP!

Ordered pairs:
https://www.geogebra.org/graphing?lang=es