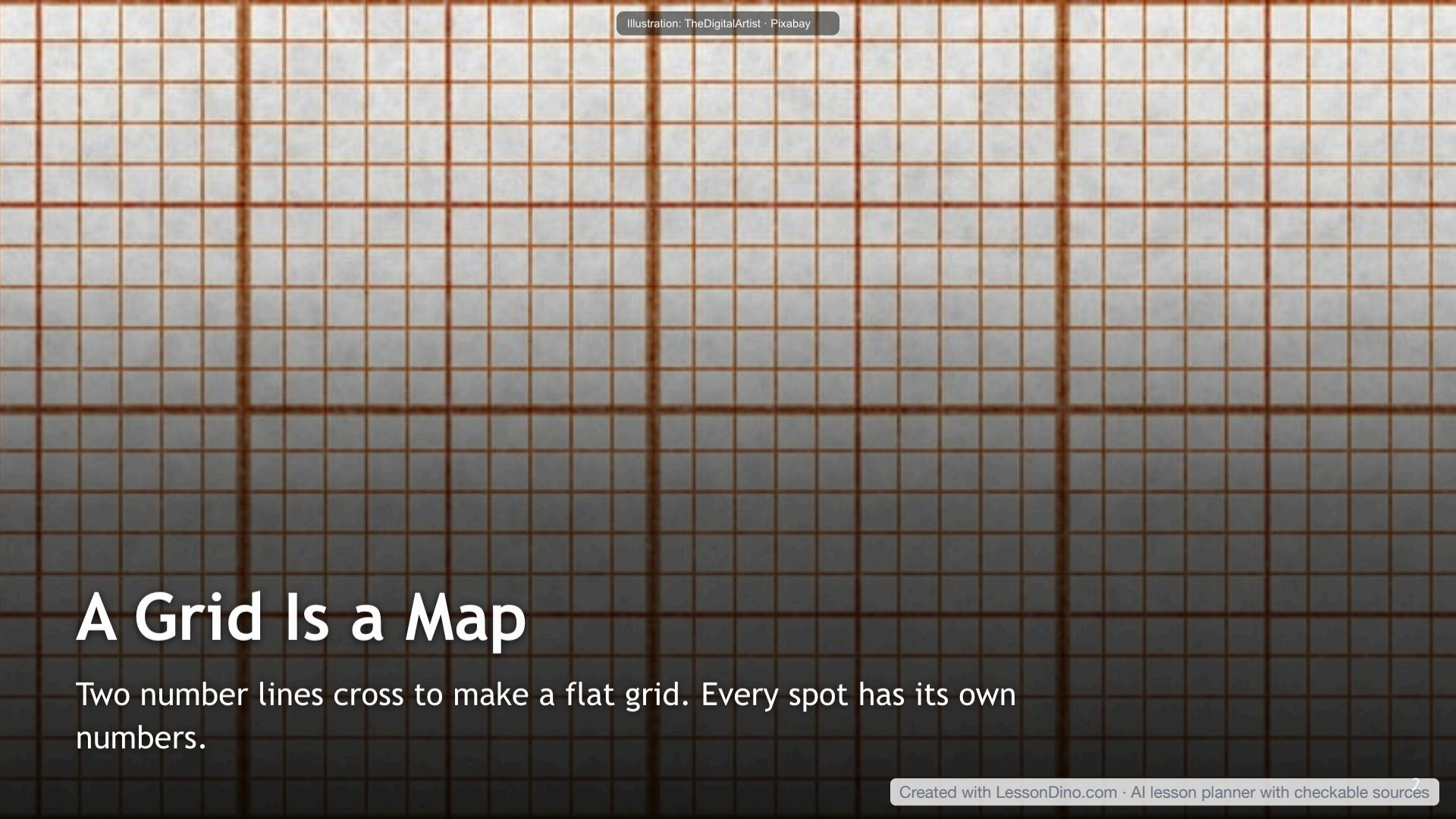
Where in the Grid?

Axes, origin, and ordered pairs in Quadrant 1



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A Grid Is a Map

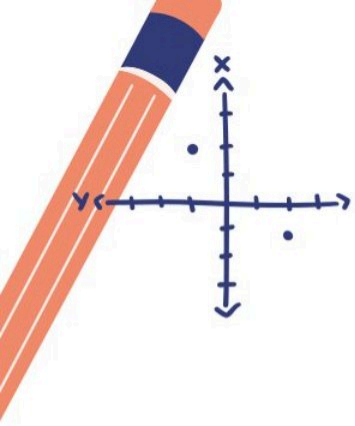
Two number lines cross to make a flat grid. Every spot has its own numbers.

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How a Point Gets an Address

Two number lines cross at 0 → Across is x-axis, up is y-axis → The crossing spot is the origin (0,0) → Pair (x, y) points to one spot

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Parts You Must Know

➡️

x-axis

Flat number line going left to right.

⬆️

y-axis

Up number line going bottom to top.

⭕

origin

Start spot where both lines show 0.

📍

ordered pair

Address like (4, 3): across first, up next.

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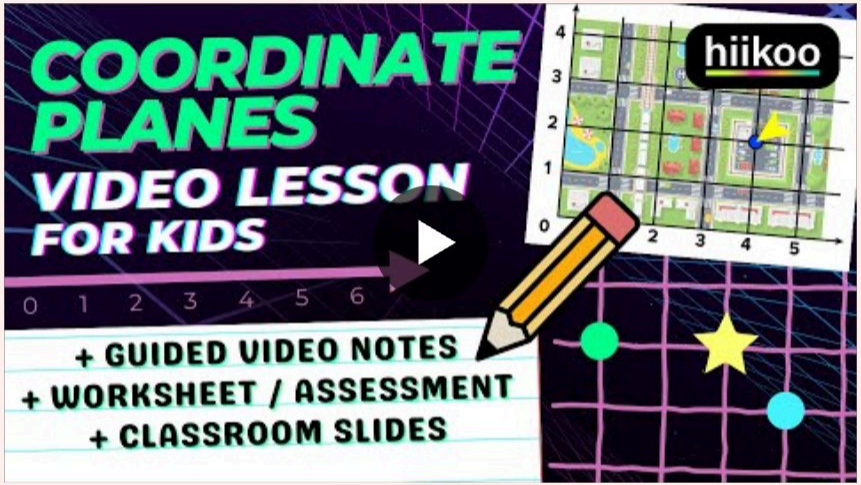
Think, pair, share

Is (3, 5) the same spot as (5, 3)? How do you know?



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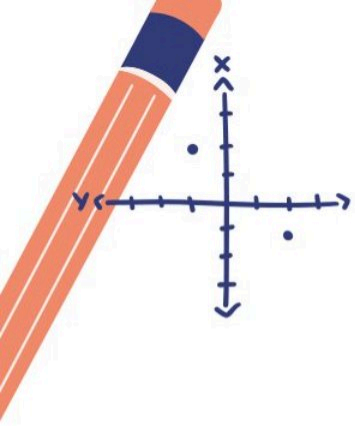
Watch: First Quadrant Grid



▶ 0:00 – 5:00

- Spot the x-axis and y-axis
- Hear where (0, 0) sits
- Listen for across-then-up order

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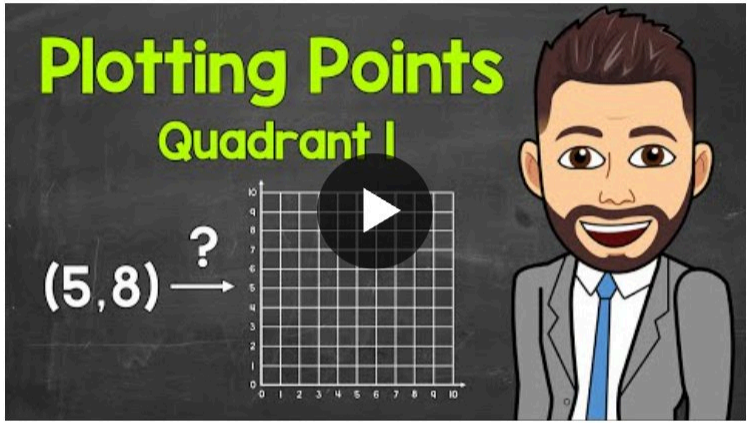


Plot a Point in Order

1. Start at the origin (0, 0).
2. Walk right to x-number on x-axis.
3. Go up to y-number.
4. Dot the spot. Say (x, y).

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Watch: Plot Points Fast



▶ 0:00 – 5:00

- See going across first
- See going up next
- Check how dots get labeled

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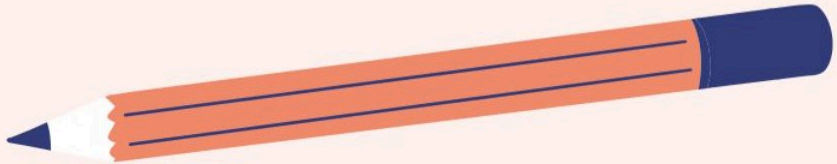
Your task

Plot four points on your 0-6 grid and join them in order.

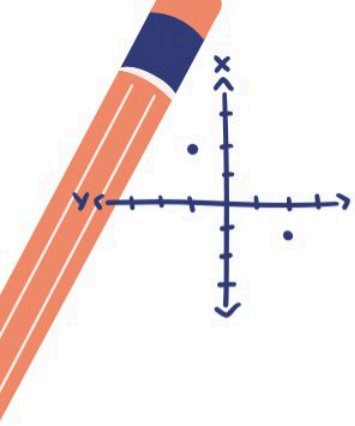
1. Plot (1, 1), (5, 1), (5, 4), (1, 4).
2. Join dots in order, then back to start.
3. Tell your partner each address across-then-up.

10 min

In pairs



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Same Idea in Real Life



Map squares

Across then up finds a park spot.



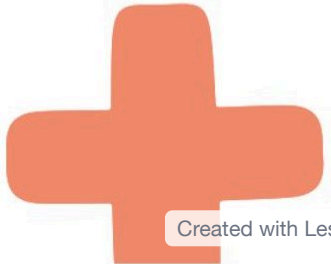
Game screen

Across then up moves a player.



Plant graph

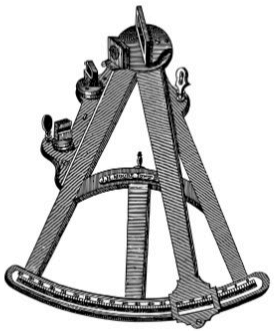
Days across, height up shows growth.



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What could this be?

A dot sits at 5 across, then 3 up. What is its address?



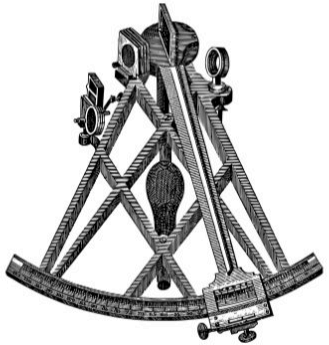




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Quick quiz

1. Where do the two axes cross?
2. In (4, 3), which number is x?
3. How do you get to (2, 5) from (0, 0)?
4. Why use only 0 and up here?

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