

Delsia Malone

Ordered Pairs 62 min

Objective:

- Students will calculate distance from one point to another.
- Students will calculate distance with time to determine destination point arrival.

Big Idea:

- How can a coordinate plane be used to determine ordered pairs?
- How does mathematics help us in our daily lives?

1. Warm Up / Anticipatory 2 min

Warm Up/Anticipatory Students will view the video: Plotting a Point (ordered pair)

<https://www.khanacademy.org/video/plot-ordered-pai...>

Resources

- Marathon Wonders Handout Example https://wg.wonderopolis.org/uploads/users/62/315/IMG_2914.JPG

2. Investigation and New Learning 50 min

- Teacher will divide class into four groups.
- Teacher will give each group a city map.



- Students will overlay city map on coordinate plane.
- Groups will label the x-axis, y-axis and point of origin.
- Groups will calculate the distance from the point of origin/starting point to the planned first water stop.
- Students will also calculate rate/distance times time ran to determine how long it will take to get to the next stopping point.

3. Review & Check for Understanding 30 min

- Formative Assessment: Students will write on an index card, step by step directions on how to graph given points on a coordinate plane.
- Teacher will review cards and based on responses determine who needs additional help.

Note: This lesson was jointly prepared with my BFF, Mrs. LaMecha James, Mathematics Specialist