Social Studies Virtual Learning

3rd Grade

Latitude and Longitude

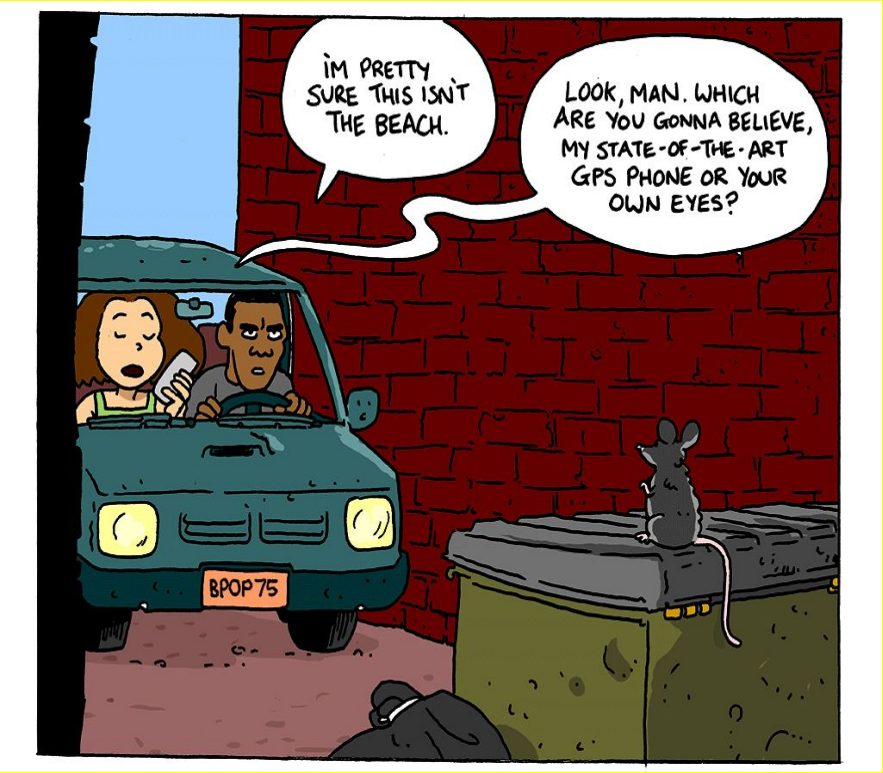
April 10, 2020

3rd Grade Social Studies
Lesson: April 10, 2020

Learning Target:
Students will become familiar with latitude and longitude.

Background: Latitude and Longitude
What is it?

What is latitude and longitude?



Background: Review of first quarter

- Students will become familiar with latitude
- Students will become familiar with longitude

Let's Get Started: Watch the following videos

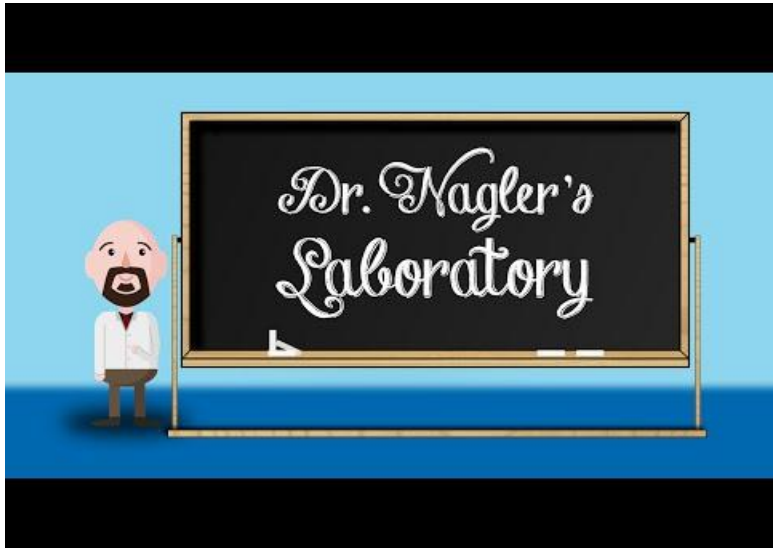
Brainpop video

↓

Latitude and Longitude

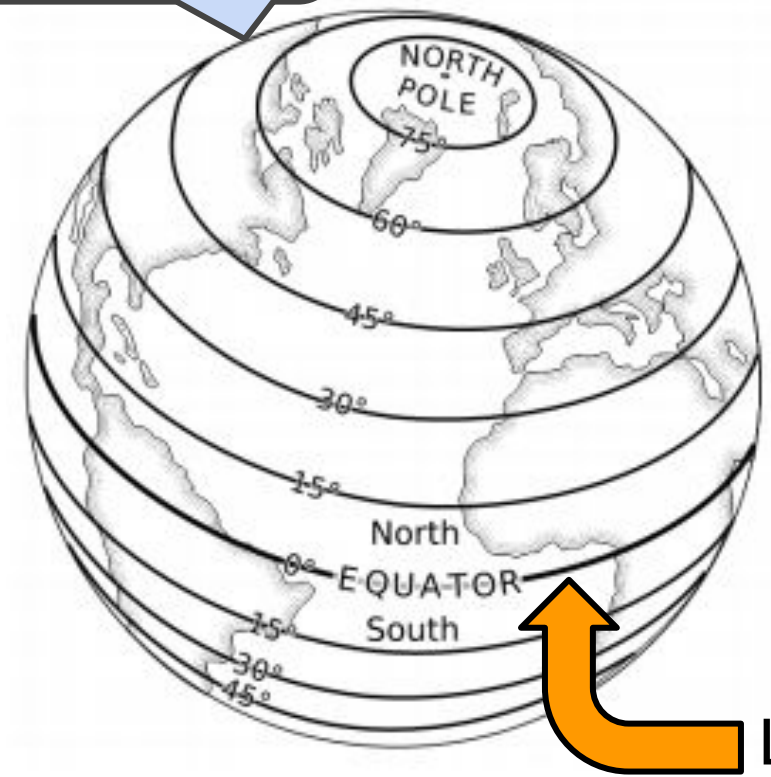
↓

Take the Brainpop quiz!



Be sure to pay close attention to how the lines skip count!

Practice #1:
What are lines of latitude?



- Lines of latitude are imaginary lines that run from side to side (East to West) on our planet.
- They help us find specific locations of different places in the world.
- We use degrees to measure them (NOT TEMPERATURE).
- Lines to the top of the equator are labeled with the direction North (N).
- Lines to the bottom of the equator are labeled with the direction South (S).

Latitude of 0° is called the **equator**!

Practice #2:
What is the line of latitude for Portland, Oregon?

Be sure to pay close attention to how the lines skip count!

They skip count by 10s!

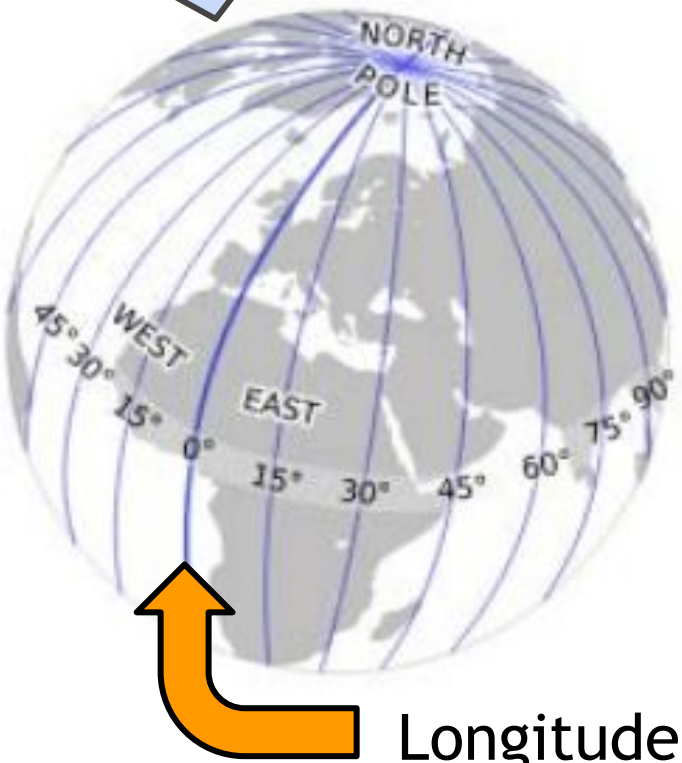
Portland, Oregon is halfway between 40°N and 50°N

Don't forget to include the direction at the end. For Portland, it is North (N).

Answer: 45°N

Be sure to pay close attention to how the lines skip count!

Practice #3:
What are lines of longitude?

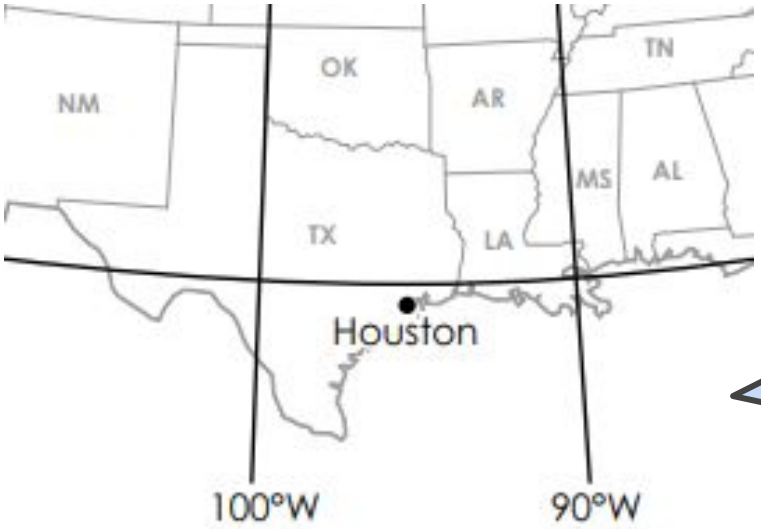


- Lines of longitude are imaginary lines that run from top to bottom (North to South) on our planet.
- They help us find specific locations of different places in the world.
- We use degrees to measure them (NOT TEMPERATURE).
- Lines to the left of the prime meridian are labeled with the direction West (W).
- Lines to the right of the prime meridian are labeled with the direction East (E).

Longitude of 0° is called the **prime meridian**!

Practice #4:

What is the line of longitude for Houston, Texas?



Be sure to pay close attention to how the lines skip count!

They skip count by 10s!

Houston, Texas is halfway between 90°W and 100°W

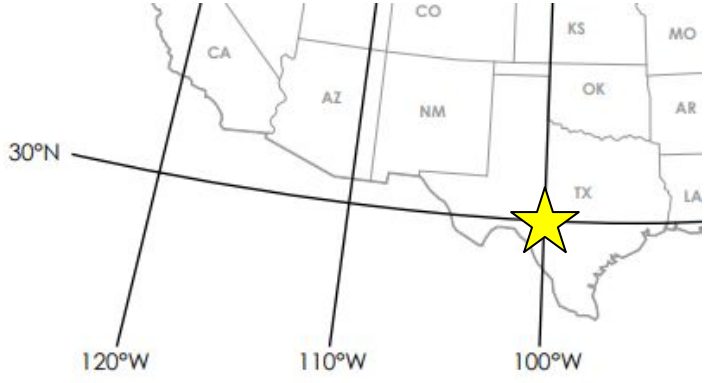
Answer: 95°W

Don't forget to include the direction at the end. For Houston, it is West (W).

Practice #5:

How do I write latitude and longitude coordinates?

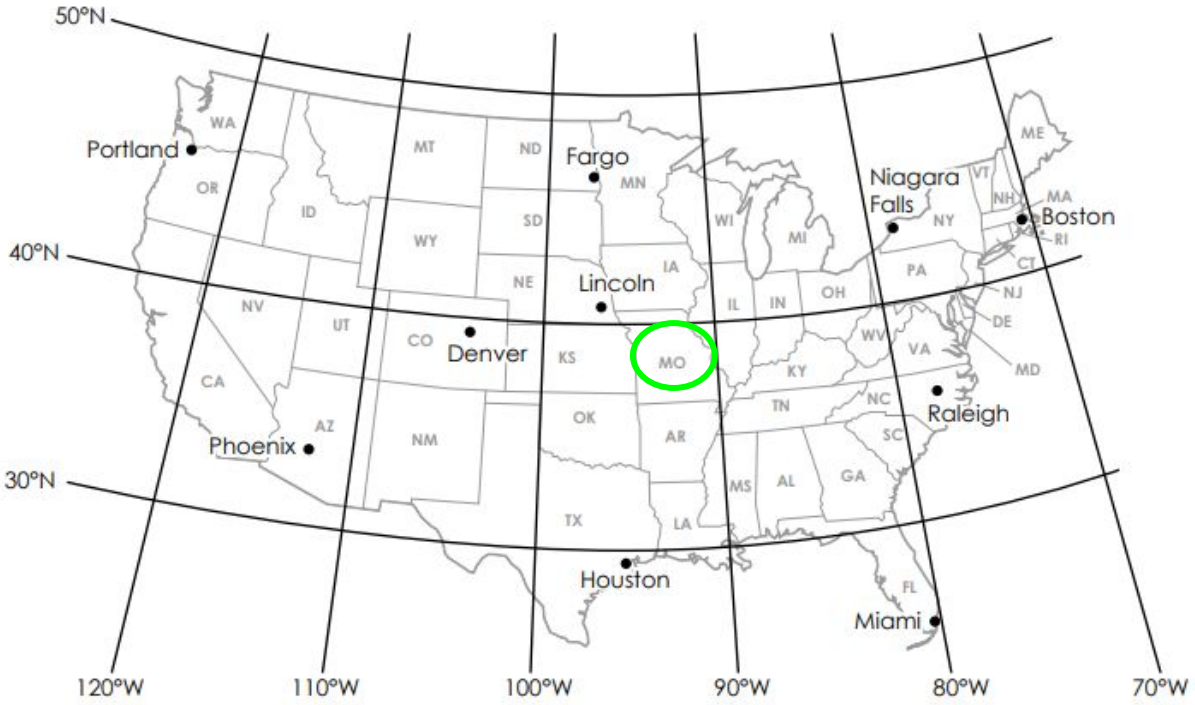
- When writing coordinates of latitude and longitude, we combine both of them.
- ALWAYS write the latitude first and then the longitude.
- Let's look at an example:



The state of Texas is at 30°N 100°W

Practice #6:

What are the latitude and longitude coordinates of Missouri?



Latitude:

- Between 30°N 40°N
- Closer to 40°N
- Answer: 38°N

Longitude:

- Between 90°W 100°W
- Closer to 90°W
- Answer: 93°W

Coordinates:

38°N 93°W

Practice on your own:

Go to this website:

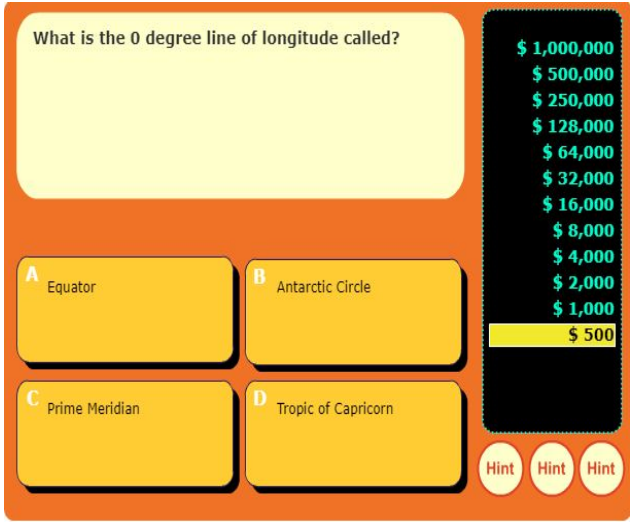
https://www.abcya.com/games/latitude_and_longitude_practice

1. Click the play button on the Treasure Hunt game.
2. Make sure your sound is on. A video of a pirate will tell you the directions for how to play the game.
3. You will get three chances to locate the treasure on the grid using the coordinates given. If you do not find the treasure in three tries, you may play again.
4. When you have found all ten treasures, you have won the game!

MORE Practice on your own:

Go to this website: https://www.quia.com/rr/2967.html

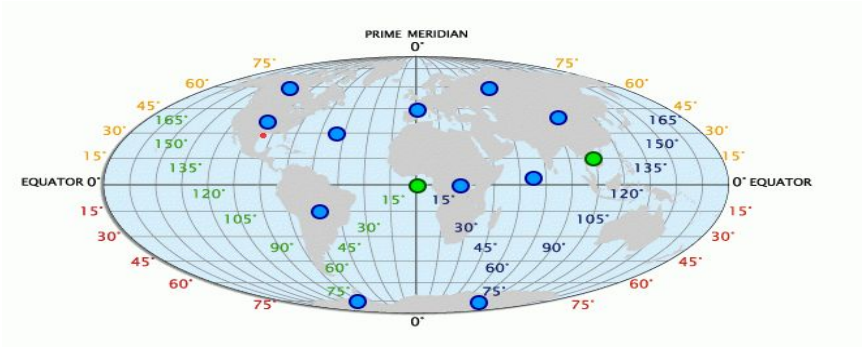
1. Click “Run” for Adobe Flash Player.
2. Click “Start” on the Rags to Riches game.
3. Answer multiple choices questions about latitude and longitude to “win” more money the more answers you get correct.
4. If you reach $1,000,000 you win!
5. If you get a question wrong, play again.



MORE Practice on your own:

Go to this website: https://www.purposegames.com/game/longitude-and-latitude-quiz

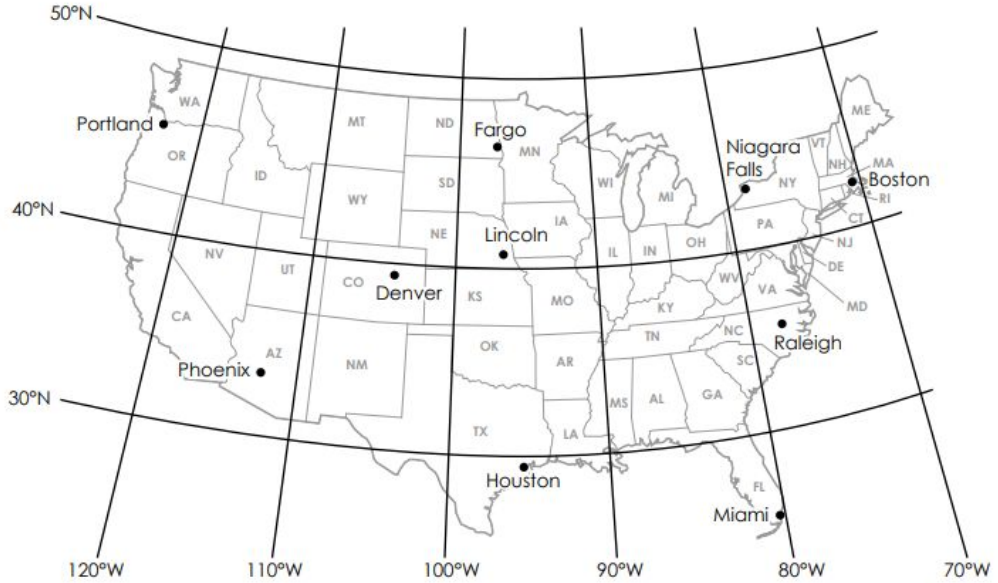
1. Press the play button on the map.
2. After pressing play, the timer will start. The top bar will give either a set of coordinates, an ocean, or a continent for you to find.
3. See how many locations you can find.
4. Once you are finished, try to see if you can beat your time.



Practice:

Complete this page in your packet.

Latitude and Longitude



Write the name of the city and state found at the given latitude and longitude coordinates.

Click here to open worksheet.

Self Check:

Go tell someone in your home your answers.

1. Was this lesson?
   - ❑ easy,
   - ❑ just right
   - ❑ hard

2. What is the line at 0 degrees longitude?
   What is the line at 0 degrees latitude?