

Latitude And Longitude Worksheet Answer Key PDF

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Part 1: Building a Foundation

What is the line at 0 degrees latitude called?

undefined. Prime Meridian

undefined. Equator ✓

undefined. Tropic of Cancer

undefined. Arctic Circle

The line at 0 degrees latitude is called the Equator.

Which of the following are true about longitude lines?

undefined. They run vertically. ✓

undefined. They measure distance east or west of the Prime Meridian. ✓

undefined. They are parallel to each other.

undefined. They intersect at the poles. ✓

Longitude lines run vertically, measure distance east or west of the Prime Meridian, and intersect at the poles.

Explain the difference between latitude and longitude in your own words.

Latitude measures distance north or south of the Equator, while longitude measures distance east or west of the Prime Meridian.

List the four hemispheres of the Earth.

1. What is the Northern Hemisphere?

The half of the Earth that is north of the Equator.

2. What is the Southern Hemisphere?

The half of the Earth that is south of the Equator.

3. What is the Eastern Hemisphere?

The half of the Earth that is east of the Prime Meridian.

4. What is the Western Hemisphere?

The half of the Earth that is west of the Prime Meridian.

The four hemispheres are the Northern Hemisphere, Southern Hemisphere, Eastern Hemisphere, and Western Hemisphere.

Which of the following coordinates is likely to be in the Southern Hemisphere?

undefined. 45° N, 120° W

undefined. 30° S, 60° E ✓

undefined. 10° N, 80° E

undefined. 50° N, 100° W

The coordinates 30° S, 60° E are in the Southern Hemisphere.

Part 2: Comprehension and Application

Which line divides the Earth into the Northern and Southern Hemispheres?

undefined. Prime Meridian

undefined. Tropic of Capricorn

undefined. Equator ✓

undefined. Tropic of Cancer

The line that divides the Earth into the Northern and Southern Hemispheres is the Equator.

Which of the following statements about the Prime Meridian are correct?

undefined. It is located at 0 degrees longitude. ✓

undefined. It divides the Earth into Eastern and Western Hemispheres. ✓

undefined. It is parallel to the Equator.

undefined. It passes through Greenwich, England. ✓

The Prime Meridian is located at 0 degrees longitude, divides the Earth into Eastern and Western Hemispheres, and passes through Greenwich, England.

Describe how you would use a map's grid system to find a specific location using latitude and longitude.

To find a location, you would locate the latitude line first, then find the corresponding longitude line, and where they intersect is the location.

If you are given the coordinates 34° N, 118° W, which city are you likely near?

undefined. New York

undefined. Los Angeles ✓

undefined. London

undefined. Sydney

The coordinates 34° N, 118° W are likely near Los Angeles.

Which of the following coordinates would you use to navigate to a location in the Eastern Hemisphere?

undefined. 40° N, 74° W

undefined. 35° S, 149° E ✓

undefined. 51° N, 0° W

undefined. 30° N, 31° E ✓

The coordinates 35° S, 149° E are in the Eastern Hemisphere.

Part 3: Analysis, Evaluation, and Creation

Which of the following best describes the relationship between the Tropic of Cancer and the Tropic of Capricorn?

undefined. They are both located at 0 degrees latitude.

undefined. They mark the boundaries of the Earth's tropical zone. ✓

undefined. They are parallel to the Prime Meridian.

undefined. They intersect at the poles.

The Tropic of Cancer and the Tropic of Capricorn mark the boundaries of the Earth's tropical zone.

Analyze the following statements and select those that are true about the Arctic Circle:

undefined. It is located at approximately 66.5 degrees north latitude. ✓

undefined. It marks the southern boundary of the polar zone. ✓

undefined. It is closer to the Equator than the Tropic of Cancer.

undefined. It experiences 24 hours of daylight at least once a year. ✓

The Arctic Circle is located at approximately 66.5 degrees north latitude, marks the southern boundary of the polar zone, and experiences 24 hours of daylight at least once a year.

Compare and contrast the significance of the Equator and the Prime Meridian in global navigation.

The Equator is significant for measuring latitude and climate zones, while the Prime Meridian is crucial for measuring longitude and time zones.

Which of the following scenarios best illustrates the importance of understanding latitude and longitude in real-world applications?

undefined. Calculating the distance between two cities using a road map.

undefined. Determining the time zone of a location.

undefined. Navigating a ship across the ocean. ✓

undefined. Planning a road trip itinerary.

Navigating a ship across the ocean illustrates the importance of understanding latitude and longitude.

Imagine you are designing a treasure hunt that requires participants to use latitude and longitude to find clues. Which of the following elements would you include?

undefined. A map with marked coordinates. ✓

undefined. Clues that require calculating distances between coordinates. ✓

undefined. A compass for direction. ✓

undefined. A list of cities with their coordinates.

Elements to include would be a map with marked coordinates, clues that require calculating distances between coordinates, and a compass for direction.

Propose a method for teaching young students about latitude and longitude using interactive activities or technology. Explain why your method would be effective.

An effective method could involve using interactive maps and GPS technology to help students visualize and understand latitude and longitude.