

Earth's Address Code

Use coordinates to connect locations with people and services.

SS.6.G.1.1 "Use latitude and longitude coordinates to understand the relationship between people and places on the Earth."

NAME _____

DATE _____

1 READ AND MARK _____ Read it twice

YOUR JOB Circle each coordinate, then underline words nearby that explain what its north-south or east-west position tells about people and place.

Coordinates Connect Communities

- ① Latitude and longitude form a global address system. Latitude lines run east and west, but they measure how far north or south a place is from the Equator. Longitude lines run from the North Pole to the South Pole and measure how far east or west a place is from the Prime Meridian. A coordinate is written with latitude first, followed by longitude. For example, 15°N, 30°E identifies one location on Earth's surface with precision.
- ② Quito, Ecuador, is near 0° latitude and 78°W longitude. Its latitude shows that it is close to the Equator, so daytime length changes little through the year. Its longitude places it west of the Prime Meridian, in northwestern South America. Coordinates help travelers, delivery workers, and emergency teams communicate about the same place. They can enter coordinates into digital mapping tools, then connect the location with roads, neighborhoods, and nearby services such as clinics, schools, or water stations.
- ③ Manila, Philippines, is near 14°N, 121°E. These coordinates place the city north of the Equator and east of the Prime Meridian. Manila is a busy coastal city on Luzon, an island in Southeast Asia. During severe weather, agencies use place names with coordinates to share clear location information. A report that gives coordinates can help responders identify which community needs supplies, even when several communities have similar names. This detail supports quicker decisions about routes, shelters, and deliveries.

2 ANSWER WITH EVIDENCE _____ Use the passage

1 What do Quito's coordinates tell you about its position relative to the Equator and the Prime Meridian?

2 How could a delivery worker use Quito's coordinates in a digital mapping tool?

3 Use Manila's coordinates. Is Manila north or south of the Equator, and east or west of the Prime Meridian?

4 Why are coordinates especially useful during severe weather when communities have similar names?

3 YOUR TURN _____ Your own words

Choose a real city not named in the passage. Use an atlas or digital map to find its coordinates, then write three sentences that give the coordinates, explain its position relative to the Equator and Prime Meridian, and describe one way people could use the coordinates.

PART 1 • READ AND MARK

Circle each coordinate, then underline words nearby that explain what its north-south or east-west position tells about people and place. Accept any marking that follows this job and points at the right text.

PART 2 • ANSWERS

#	QUESTION	ANSWER
1	What do Quito's coordinates tell you about its position relative to the Equator and the Prime Meridian?	Quito is close to the Equator and west of the Prime Meridian.
2	How could a delivery worker use Quito's coordinates in a digital mapping tool?	The worker could enter the coordinates to locate Quito and connect the location with roads, neighborhoods, and nearby services.
3	Use Manila's coordinates. Is Manila north or south of the Equator, and east or west of the Prime Meridian?	Manila is north of the Equator and east of the Prime Meridian.
4	Why are coordinates especially useful during severe weather when communities have similar names?	Coordinates identify the exact community that needs supplies, helping responders make decisions about routes, shelters, and deliveries.

PART 3 • YOUR TURN (SAMPLE ANSWER)

Nairobi, Kenya, is near 1°S, 37°E. Its coordinates place it just south of the Equator and east of the Prime Meridian. A delivery team can enter these coordinates into a mapping tool to locate the city and plan a route to a clinic.

Accept equivalent wording that accurately interprets north or south latitude and east or west longitude. For the open response, accept accurate approximate coordinates for a real city and a logical connection between coordinates and a human need or service.