

Chapter - 7, Latitudes and longitudes, Class - 5

A. 1. The line of longitude which passes through Greenwich is called

(a) Prime Meridian

2. A globe is a _____ of the Earth.

(a) Model

3. The total number of meridians is

(a) 360

4. The equator is

(a) 0° latitude

5. The Tropic of Cancer is located at

(a) $23\frac{1}{2}^\circ N$

B. Fill in the blanks:

1. The earth is spherical in shape.

2. The end point at the top of the globe is called the North Pole and at the bottom of the globe is called the South Pole.

3. Equator is an imaginary line that divides the Earth in two halves.

4. The Line of Longitude which passes through Greenwich in U.K. is called the Prime Meridian.

5. Longitudes to the east of Greenwich are called East Longitudes and to the west are called West Longitudes.

C. Match the following:

1. The Arctic Circle ——— c) $66\frac{1}{2}^\circ N$

2. The Tropic of Cancer ——— d) $23\frac{1}{2}^\circ N$

3. The Antarctic Circle ——— b) $66\frac{1}{2}^\circ S$

4. The Tropic of Capricorn ——— a) $23\frac{1}{2}^\circ S$

D. ~~Write~~ True and False statements.

1. The earth is flat at the poles and round at the Equator. False

2. Inflatable globes are very handy. True

3. Axis is an imaginary line. True

4. The Equator divides the Earth into two equal halves. True

5. The Equator is the smallest longitude. False

6. The Lines of Longitude are 360 in number. True

7. The Prime Meridian also divides the Earth into two equal halves. True
8. The latitudes and longitudes together form a network called grid. True.

E. Answer these questions.

1. Who confirmed that the Earth is spherical in shape?
 Ans - Explorers and astronauts have confirmed that the Earth is spherical in shape.

2. Distinguish between the northern and southern hemisphere.

Northern Hemisphere	Southern Hemisphere
a) It is also called Upper hemisphere	a) It is also called Lower hemisphere.
b) It has the Arctic Circle and the Tropic of Cancer.	b) It has the Antarctic Circle and the Tropic of Capricorn.

3. Why do we need a globe?

Ans - We need a globe because in it we can see the correct shapes, position and location of all the continents and oceans. We can even look for countries on it.

4. What is an axis?

Ans - It is a line that joins the North Pole and the South Pole.

5. Explain the meaning of 'Lines of Latitudes'.

Ans - These are imaginary horizontal lines which are parallel to the equator.

6. Write the names of the four special latitudes that you have learnt.

Ans - They are - The Tropic of Cancer, The Tropic of Capricorn, The Arctic Circle and The Antarctic Circle.

7. What are the lines of Longitudes?

Ans - They are the imaginary vertical lines that runs from the North Pole to the South Pole and are all of equal length.

8. How does a grid help us?

Ans - The latitudes and longitudes which intersect each other at right angles form a network called grid. It helps in locating places.

8. Which Meridian divides the Earth into two equal parts? How?

Ans. Prime Meridian. It is a base line and has a 0° longitude and from it we count 180° eastward and 180° westward.