

Activity Number-G 2

Class- VI

Subject- S.St.

Month- May

Duration- 1 Hr.

Activity- Time-e-calculi

Lesson- 2 Globes: latitudes and longitudes

Learning outcome- The Students will be able to calculate the time in different time zones of the world

What I have to do? – Time calculation

What I require? – World political map

Nature of activity- Individual activity

What I already know? – latitudes and longitudes

How will I proceed? –

Teacher's Activity- Teacher will introduce the two ways of doing the activity and students will do the activity step by step.

Student's activity- Students will do the activity in two steps:- 1. With the help of world map, 2. By calculations.

1. Put the material on the table.
2. Draw the meridians at the interval of 15 degrees on a world map
3. Mark the degrees on each meridian.
4. Use orange color for making meridians on the eastern side and green color for western side.
5. Draw 0 degree-prime meridian with black color.
6. 15 degrees =1 hour and 1 degree= 4 min.
7. Degree x 4=_____min.
8. Calculate the time using the above formula.

What have I observed?

Time at 0 Degree longitude is 12 in the afternoon

DEGREE IN EASTERN HEMISPHERE	TIME	DEGREE IN WESTERN HEMISPHERE	TIME
15° E		15° W	
30° E		30° W	
45° E		45° W	
60° E		60° W	
75° E		75° W	
90° E		90° W	

What have I learnt?

Q. Answer the following in one word each.

1. 0° latitude-_____.
2. 0° longitude-_____.
3. Total no. of latitudes -_____.
4. Total no. of longitudes-_____.
5. Standard meridian of India-_____.

Q. How can you say that the latitudes and longitudes are useful for us?

Ans. _____

Q. Differentiate between latitudes and longitudes.

Latitudes	Longitudes

