

Location

Explanatory Notes for Teachers

Level: S1

Topic: Describing location

Supporting Teaching Materials: Students' worksheet

Students' Prior Knowledge

Before completing this ELA unit, students have studied the concepts of location, letter-number coordinates, longitude and latitude and should have learnt other terms relating to this unit through the medium of Chinese.

Aims and Objectives

I. Content Objectives

After completing the ELA activities, students should be able to use English to:

1. describe the location of objects on a map;
2. use coordinates and grid references and
3. describe the location of some cities on a world map by using longitude and latitude.

II. Language Objectives

After the ELA activities, students should be able to

1. understand and use the English terms related to this topic (e.g., coordinates, location, objects, people, facilities, map, path, temple, pond, forest, outdoor recreation centre, *roller skating rink, punting, playground, cycling trail, football pitch, barbecue site, hostel, campsite office*);
2. understand and use appropriate English expressions for describing the locations of objects/facilities on a map, e.g.,
 - *At 1725, there is a roller skating rink. / The roller skating rink is at 1725.*
 - *At (coordinates), there is a/an (object). / The (object) is located at (coordinates).*
3. exchange information through asking questions about locations of facilities on a simple map, e.g.,
 - *Where is the swimming pool on map 2?*
 - *The swimming pool is located from 1121 to 1421 on map 2.*
4. understand the English expressions for explaining the concepts of longitude and latitude, e.g.,
 - *When we talk about the location of places in the world, we use longitude and latitude.*
 - *The lines of longitude and latitude are imaginary lines that divide the Earth into sections.*
 - *By using longitude and latitude, we can locate any point on the Earth.*
 - *Longitude and latitude are also called 'meridians' and 'parallels'.*

- *Lines of longitudes/meridians run from the North Pole to the South Pole.*
- *Lines of latitudes/parallels circle the Earth horizontally.*
- *Longitude 0°, also called the Prime Meridian, is the starting line for measuring longitude.*
- *Greenwich in London is located at longitude 0°.*
- *Latitude 0°, also known as the Equator, divides the earth into the Northern Hemisphere and the Southern Hemisphere.*

Procedure:

1. In **Activity 1** Find the missing animals, the teacher should ask students to study the map of a zoo and describe the location of animals shown on the map. This activity requires students to use their knowledge of prepositions of location to describe where the animals are.
2. For **Activity 2**, the teacher should first show, or remind students how to use grid references to describe location. They can then be asked to describe the same locations they have described in Activity 1. This activity is an application of students' map reading skills. Students use grid references to describe the location of animals on a map.
3. For **Activity Three**, students should be formed into pairs. Student A and Student B in the pair are given different map worksheets. They should first be asked to write down the locations of the objects on their map by using the expressions provided. Then they should be asked to compare their map with that of their partner and talk about the differences. This activity requires students to compare two maps and talk about the differences between them using the given sentence patterns. Finally, the teacher should ask them to write the answers to the 10 questions in order to consolidate what they have learned.
4. **Activity Four**, Location of Places in the World, involves students' knowledge of the locations of major cities in the world and their understanding of how longitude and latitude are used to describe location. After studying the information sheet and the world atlas, they should be asked to respond to the questions in writing.

Location

Activity 1 Find the missing animals



Yesterday, there was a terrible storm. There was thunder and lightning and lots of rain. Lightning struck the zoo and some of the animals escaped. The zoo keeper is looking for the missing animals in the town near the zoo. Can you say where the animals are?



Where are the animals?

_____ is on the path.

_____ near the temple.

_____ at the pond.

_____ near the forest.

Activity 2 How can we describe the location?



The zoo keeper has a map with grid squares. Can you help the zoo keeper to find the exact locations of the animals?

Animals	Location
Elephant	
Tiger	
Monkey	
Panda	

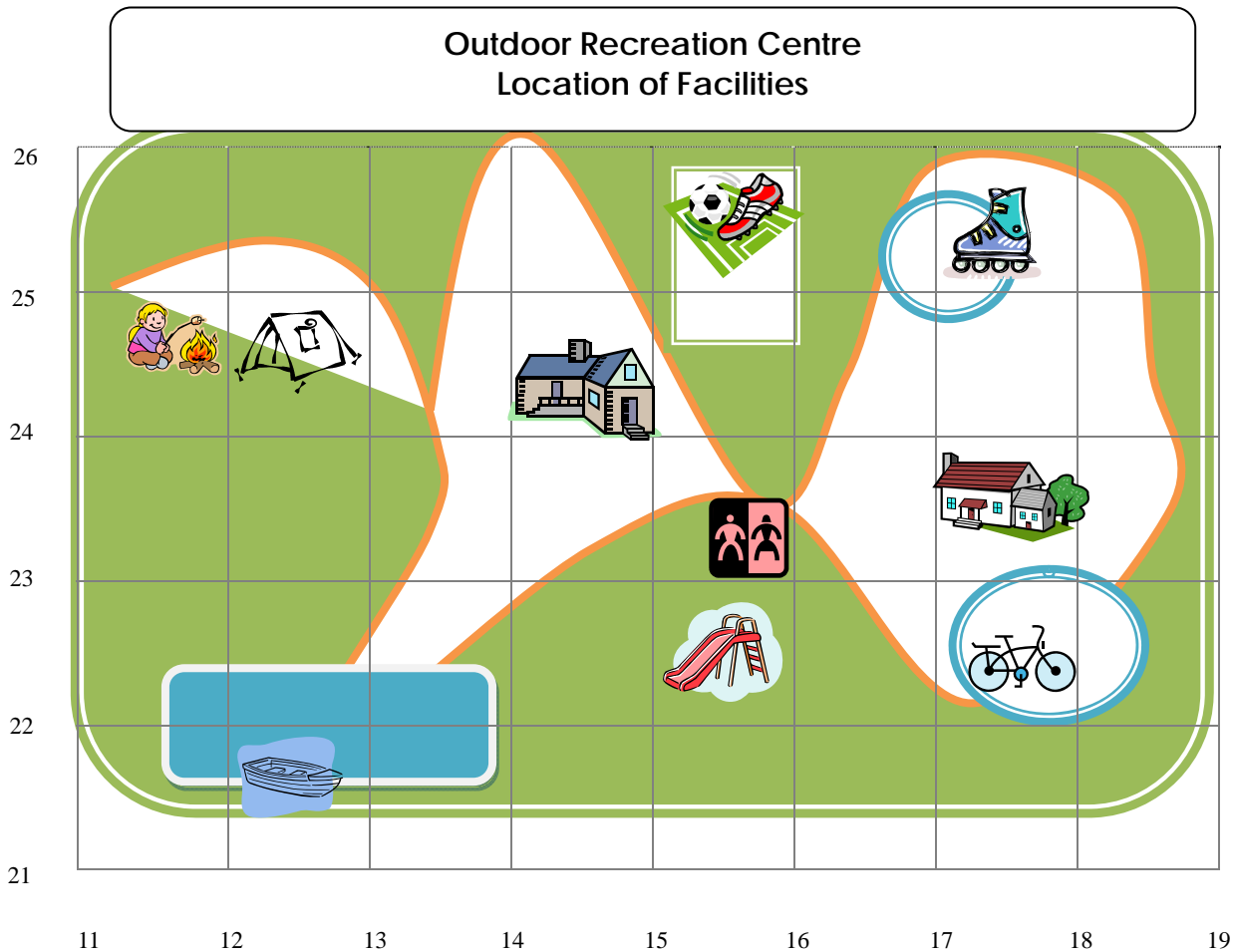


Activity 3 Pair Work

Using coordinates, write the location of the objects and people shown on the map.

Then, compare your map with your classmate's map, what are the different objects on maps 1 and 2?

Student A Map 1



1. 	2. 	3. 	4. 
roller skating rink	punting	playground	cycling trail
5. 	6. 	7. 	8. 
football pitch	barbecue site	hostel	campsite office

At (coordinates), there is a/an (object).

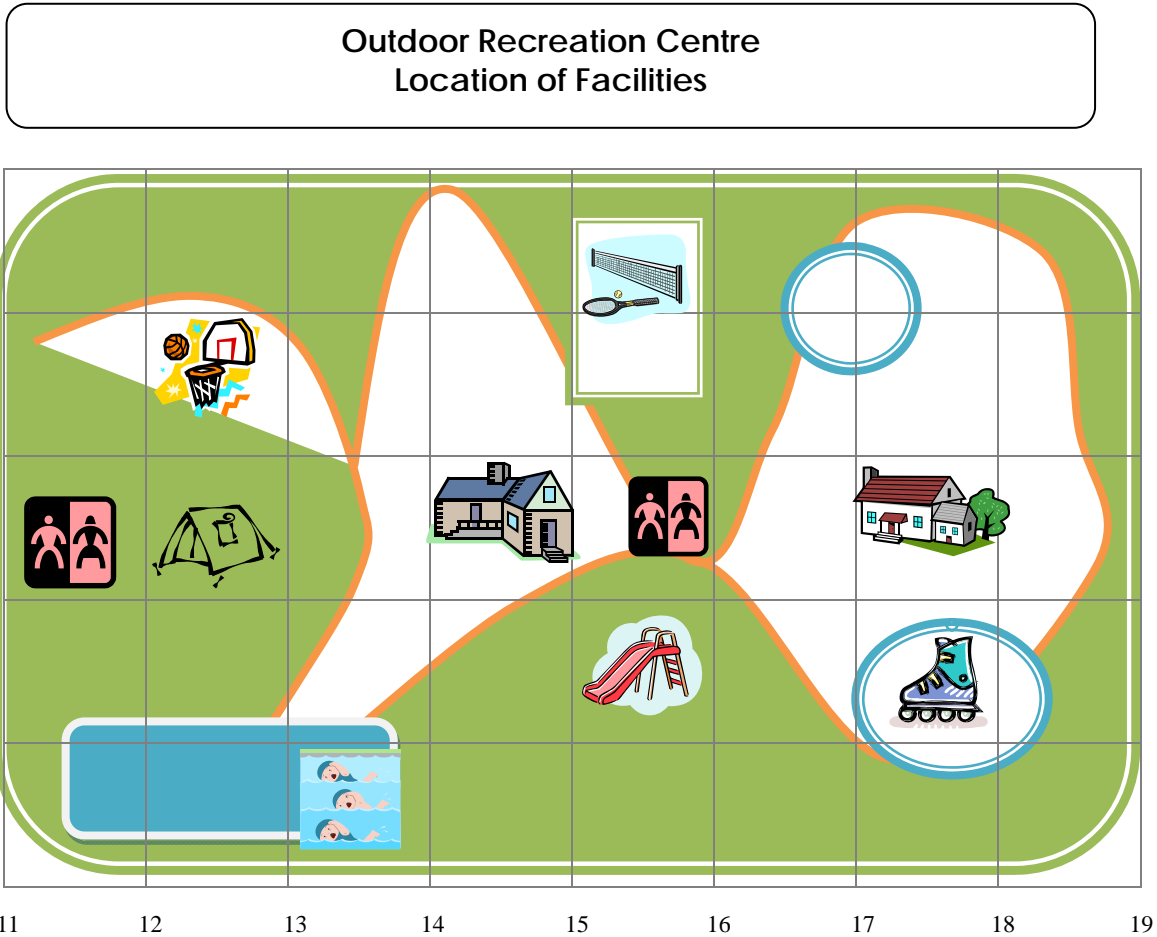
OR


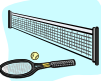






The (object) is located at (coordinates).

Student B Map 2

Using coordinates, write the location of the objects and people shown on the map.

Then, compare your map with your classmate's map, what are the different objects on maps 1 and 2?



1. 	2. 	3. 	4. 
swimming pool	tennis court	basketball court	camp site
5. 	6. 	7. 	8. 
playground	roller skating rink	hostel	campsite office








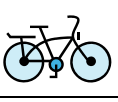



At (coordinates) , there is a/an (object) _____.

OR

The (object) _____ is located at (coordinates).

Below are the facilities shown on the 2 maps.

Use the given sentence pattern to describe their locations.

	1. 	2. 	3. 
4. 	5. 	6. 	7. 
8. 	9. 	10. 	11.

e.g. The swimming pool is located at 1221 on map 2.

1. Where is the tennis court?

2. Where is the basketball court?

3. Where is the campsite?

4. Where is the roller-skating rink?

5. Where is the barbecue site?

6. Where is the playground?

7. Where is the cycling trail?

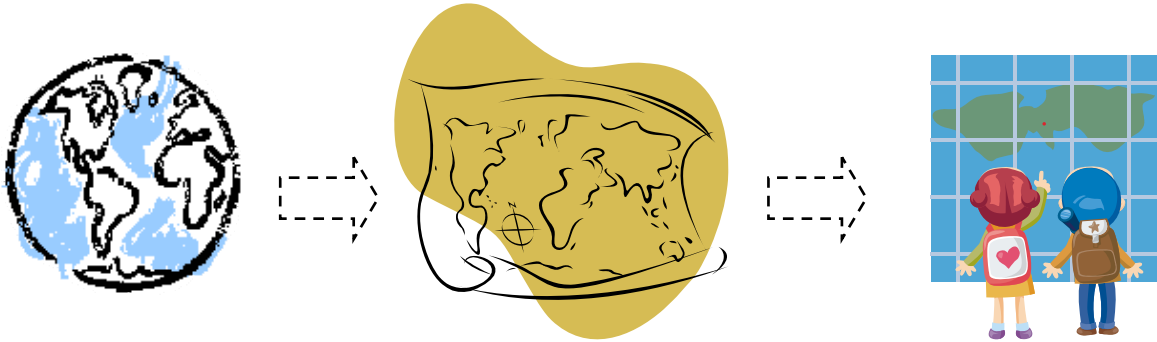
8. Where is the football pitch?

9. Where is the campsite office?

10. Where is the hostel?

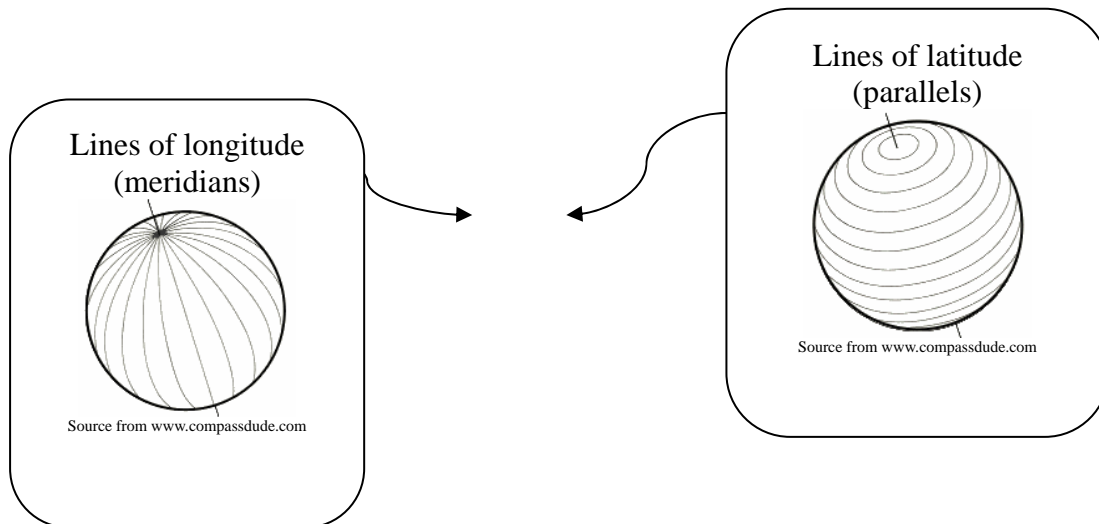
Activity 4 Location of Places in the World

When we talk about the location of places in the world, we use longitude and latitude. The lines of longitude and latitude are imaginary lines that divide the Earth into sections. By using longitude and latitude, we can locate any point on the Earth.



Longitude and latitude are also known as “*meridians*” and “*parallels*”.

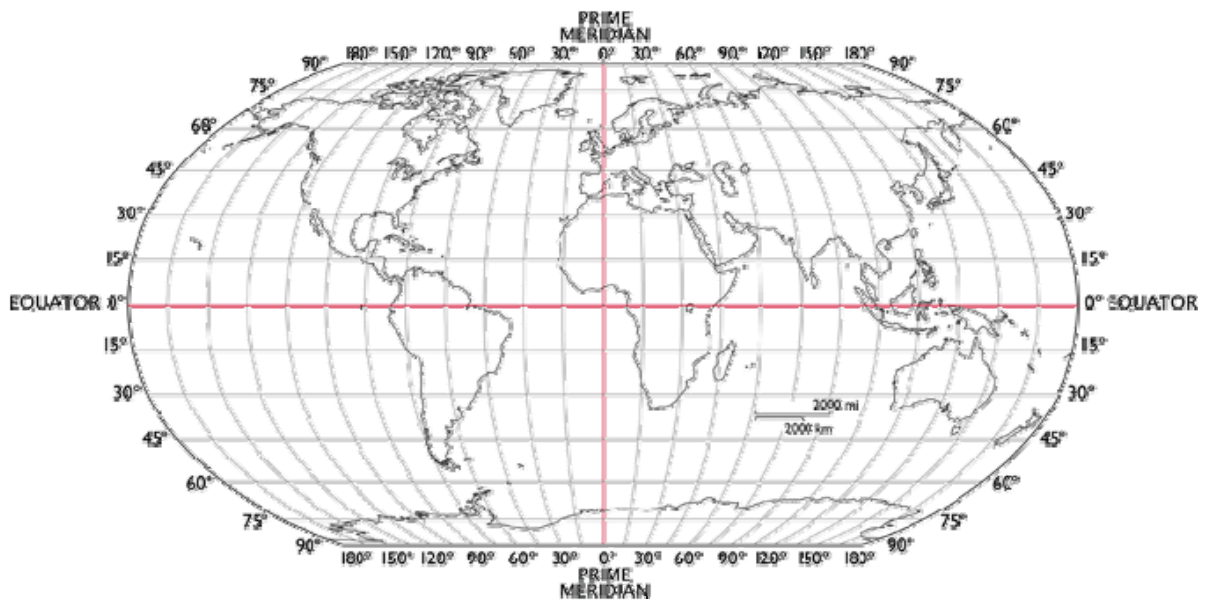
Lines of longitude, also called meridians, run from the North Pole to the South Pole. Lines of latitude, also known as parallels, circle the Earth horizontally.



Longitude 0° , also called the *Prime Meridian*, is the starting line for measuring longitude. Greenwich in London is located at longitude 0° . Latitude 0° , also known as *the Equator*, divides the earth into the Northern Hemisphere and the Southern Hemisphere.

Study sources 1 and 2 and answer the questions.

Source 1 World Atlas with lines of Longitude and Latitude



Source from <http://www.worldatlas.com/>

Source 2 Longitude and Latitude of World Major Cities

City	Latitude	Longitude	City	Latitude	Longitude
Hong Kong	22°N	114°E	London	51°N	0°
Shanghai	31°N	121°E	Paris	48°N	2°E
New York	40°N	73°W	Singapore	1°N	103°E
Tokyo	35°N	139°E	Jakarta	6°S	106E

Which of the 2 cities are the nearest to the Prime Meridian?

Which of the 2 cities are the nearest to the Equator?

The above cities are located in the northern hemisphere EXCEPT _____

The city located west of the Prime Meridian is _____

Activity 1 Find the missing animals



Yesterday, there was a terrible storm. There was thunder and lightning and lots of rain. Lightning struck the zoo and some of the animals escaped. The zoo keeper is looking for the missing animals in the town near the zoo. Can you say where the animals are?



Where are the animals?

The monkey is on the path.

The tiger near the temple.

The elephant at the pond.

The panda near the forest.

Activity 2 How can we describe the location?



The zoo keeper has a map with grid squares. Can you help the zoo keeper to find the exact locations of the animals?

Animals	Location
Elephant	<u>1221</u>
Tiger	<u>1423</u>
Monkey	<u>1824</u>
Panda	<u>1721</u>

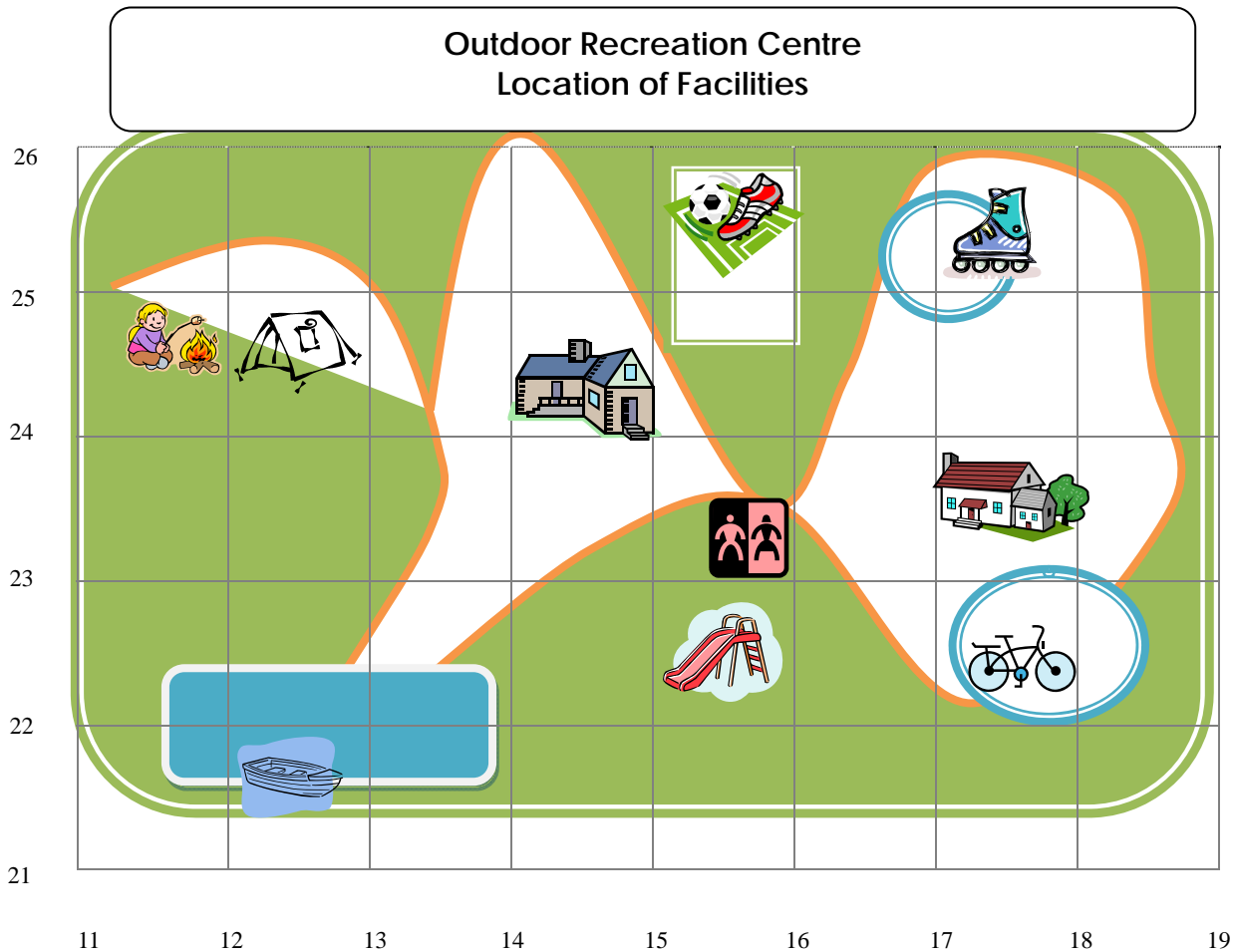










Activity 3 Pair Work

Using coordinates, write the location of the objects and people shown on the map.

Then, compare your map with your classmate's map, what are the different objects on maps 1 and 2?

Student A Map 1



1. 	2. 	3. 	4. 
roller skating rink (1725)	punting (1221)	playground (1522)	cycling trail (1722)
5. 	6. 	7. 	8. 
football pitch (1525)	barbecue site (1124)	hostel (1723)	campsite office (1424)

At (coordinates), there is a/an (object).

OR

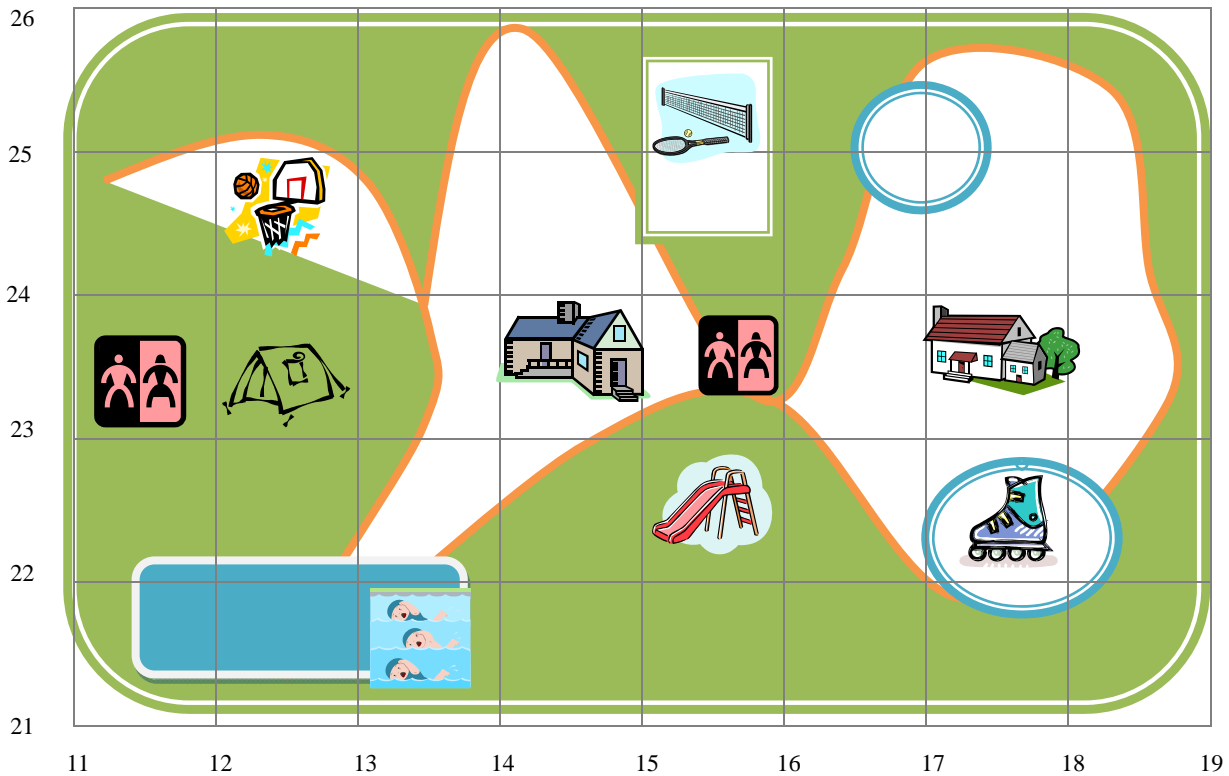
The (object) is located at (coordinates).

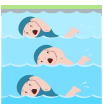
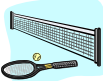






Student B Map 2

Using coordinates, write the location of the objects and people shown on the map.

Then, compare your map with your classmate's map, what are the different objects on maps 1 and 2?

Outdoor Recreation Centre
Location of Facilities



1. 	2. 	3. 	4. 
swimming pool (1321)	tennis court (1525)	basketball court (1224)	camp site (1223)
5. 	6. 	7. 	8. 
playground (1522)	roller skating rink (1722)	Hostel (1723)	campsite office (1423)


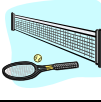





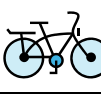




At (coordinates), there is a/an (object).

OR

The (object) is located at (coordinates).

Below are the facilities shown on the 2 maps.

Use the given sentence pattern to describe their locations.

	1. 	2. 	3. 
4. 	5. 	6. 	7. 
8. 	9. 	10. 	11. 

e.g. The swimming pool is located at 1221 on map 2.

1. Where is the tennis court?

The tennis court is located at 1525 on map 2. / At 1525 on map 2, there is a tennis court.

2. Where is the basketball court?

The basketball court is located at 1224 on map 2. / At 1224 on map 2, there is a basketball court.

3. Where is the campsite?

The campsite is located at 1223 on map 2. / At 1223 on map 2, there is a campsite.

4. Where is the roller-skating rink?

The roller-skating rink is located at 1725 on map 1. / At 1725 on map 1, there is a roller-skating rink.

The roller-skating rink is located at 1722 on map 2. / At 1722 on map 2, there is a roller-skating rink.

5. Where is the barbecue site?

The barbecue site is located at 1124 on map 1. / At 1124 on map 1, there is a barbecue site.

6. Where is the playground?

The playground is located at 1522 on both map 1 and 2. / At 1522 on both map 1 and 2, there is a playground.

7. Where is the cycling trail?

The cycling trail is located at 1722 on map 1. / At 1722 on map 1, there is a cycling trail.

8. Where is the football pitch?

The football pitch is located at 1525 on map 1. / At 1525 on map 1, there is a football pitch.

9. Where is the campsite office?

The campsite office is located at 1424 on map 1. / At 1424 on map 1, there is a campsite office.

The campsite office is located at 1423 on map 2. / At 1423 on map 2, there is a campsite office.

10. Where is the hostel?

The hostel is located at 1723 on both map 1 and 2. / At 1723 on both map 1 and 2, there is a hostel.

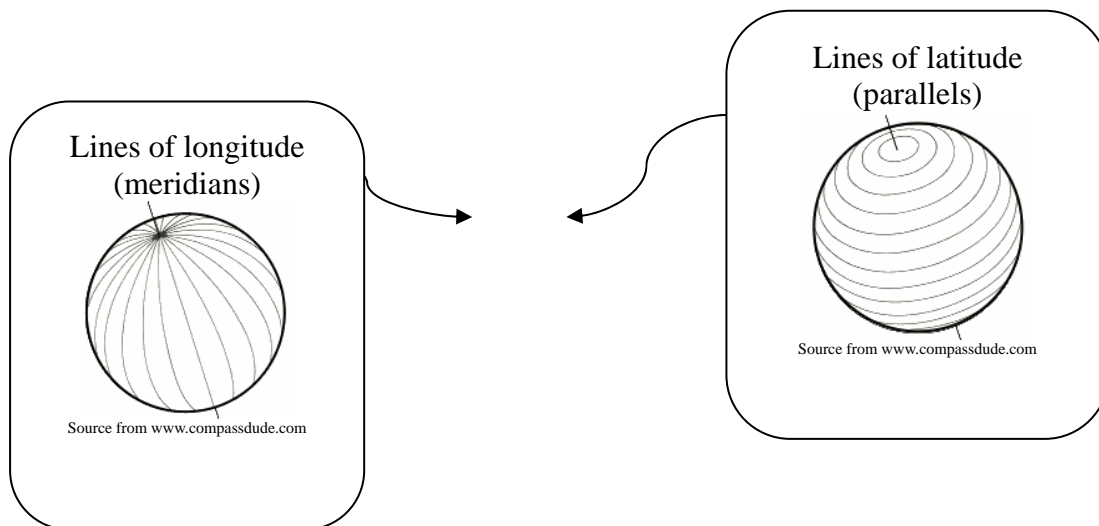
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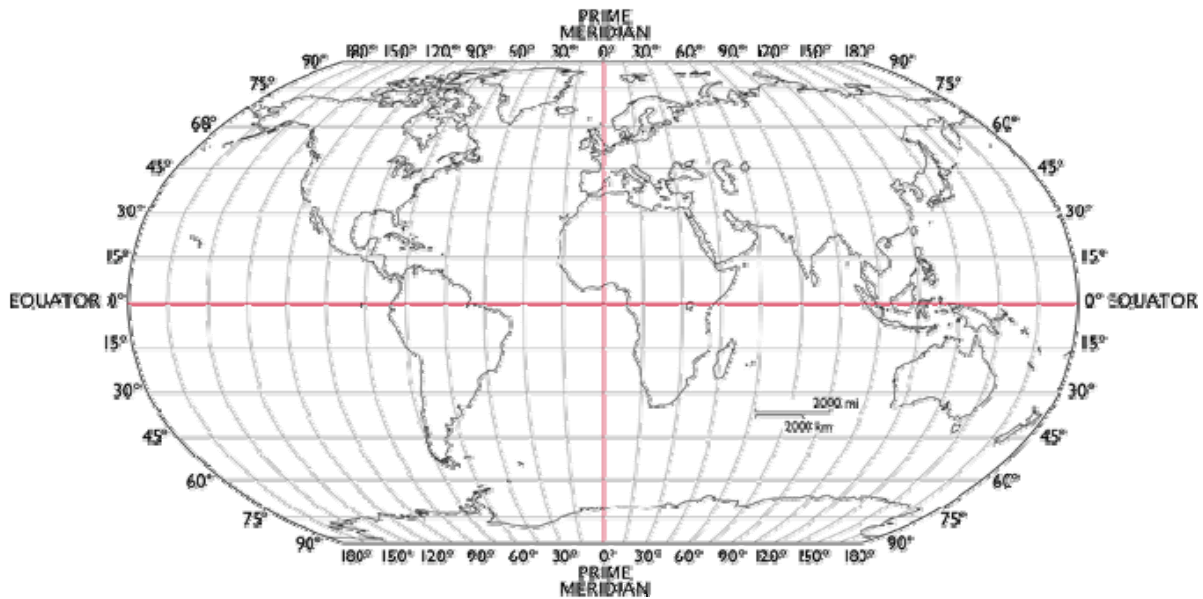
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Which of the 2 cities are the nearest to the Prime Meridian?

London and Paris

Which of the 2 cities are the nearest to the Equator?

Singapore and Jakarta

The above cities are located in the northern hemisphere EXCEPT Jakarta.

The city located west of the Prime Meridian is New York.