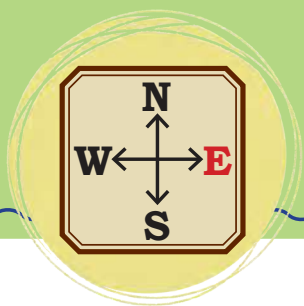
Chapter 14

Maps And Locations

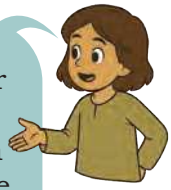




Finding Directions ...



I visited the Bharatpur Bird Sanctuary in Rajasthan and saw an amazing bird called the Siberian Crane!



Wow! Do you know that these birds fly all the way from Siberia, a very cold place, to India?

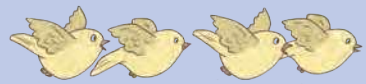




I wonder how they find their path.



Human beings also keep track of directions. One of the ways we figure out directions is by facing the rising Sun. Let's try!



Four Little Chicks

Four Little Chicks of a bird set out to fly,
Spreading their wings they all flew high.
They flew away from East to West,
flew North to South, without any rest.

As they flew and explored the land,
finally, they returned home, hand in hand.
With their mother, they had so much to share,
Our home is the best, beyond compare!"





Manu is facing the rising Sun.

That direction is _____.

His left hand is pointing in the_____ direction.

His right hand is pointing in the _____ direction.

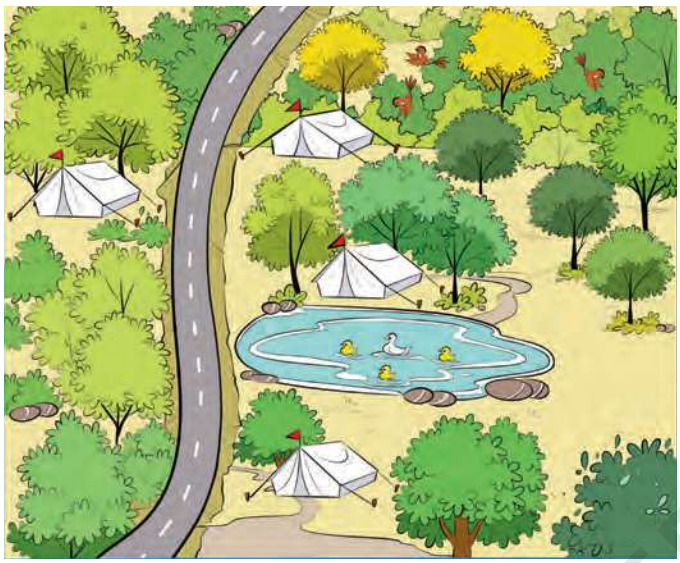
which way is west?

Note for Teachers: Help the learners in naming the four cardinal directions. Ask the children to figure out the directions by facing the rising sun. Also, discuss with them other ways of finding directions, such as using a compass. To spark curiosity, you may talk about or encourage the learners to find out how birds find their directions during migration.

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Bird Watching!

Children are at a bird-watching camp. Read the clues and colour the tents in the camp accordingly.



The tent to the west of the road is blue.

The tent closest to the lake is green.

The tent north of the green tent is purple.

The tent south of the lake is yellow.

Now, draw a tent to the east of the lake.



Map of a Room

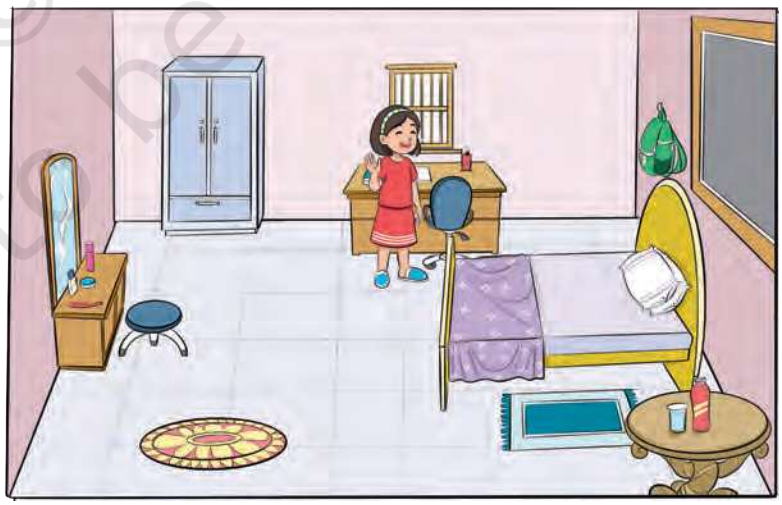
Write the directions of the following in relation to the girl.

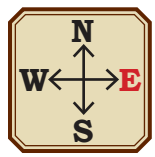
Window _____

Bed _____

Cupboard _____

Bedside table _____





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Make a drawing of your room and locate the direction in which different things have been placed in relation to you standing at the centre of the room. Make the direction arrow for your room.

Write the names of the things that are placed in the following directions.

East_____

West_____

North_____

South _____

Zoo Trip

Children! Be ready at your nearby bus stop by 8:00 a.m. The school bus will take you to the Qutb Minar in Delhi. After that, we will visit the zoo by a metro train.



The street map shows the bus route with dotted lines. The bus will pick up children from Stop 1 and Stop 2 marked on the map.

Observe the map carefully and help the children board the bus.

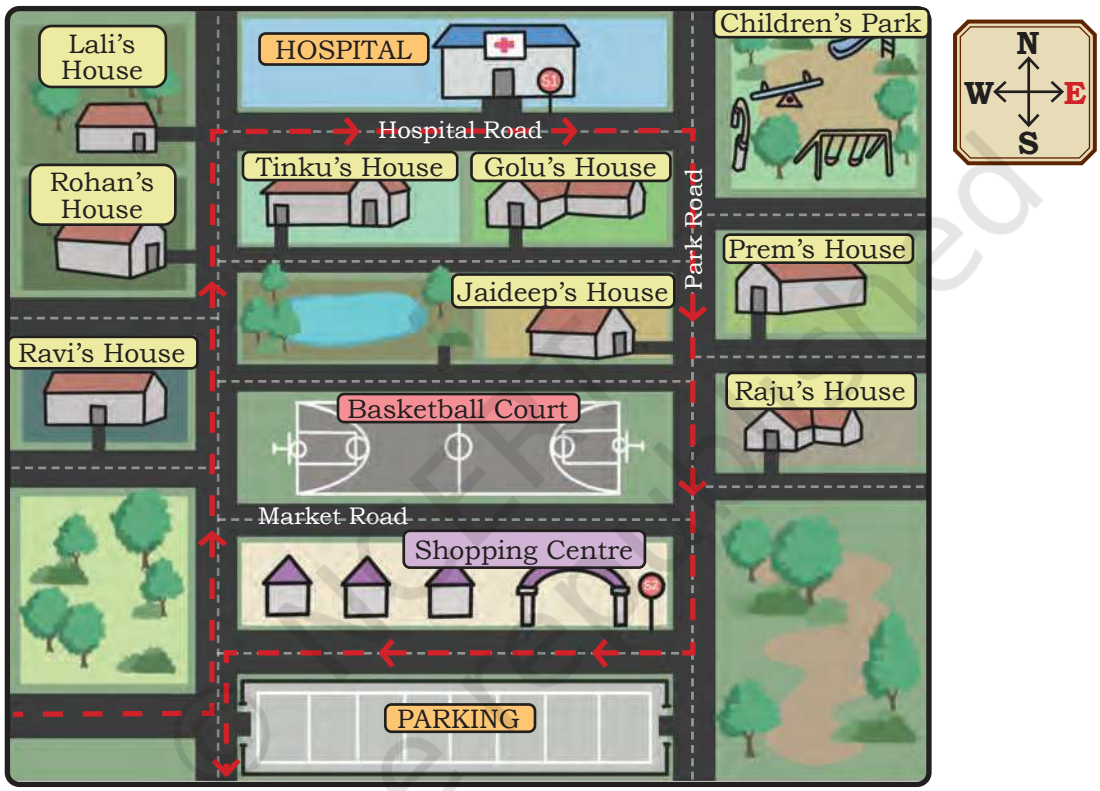
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Bus Route

The bus will start from the parking area. It will go north and then it will take a right turn onto _____ Road driving in the _____ direction to reach Stop 1(S1).

To reach Stop 2(S2), it will turn _____ (right/left) onto _____ Road driving in the _____ direction.



(a) Whose houses are situated to the east of Jaideep's house?_____

(b) Mark the route from Ravi's house to the children's park.

(c) Which stop is closer to Lali's house? _____

(d) Golu is running late. Trace the route to help him reach the nearest bus stop.

(e) In which direction would Prem have to move to reach Stop 2?

Note for Teachers: Encourage the learners to read the street map. Ask them to discuss the distances and directions on the map. Encourage the learners to ask questions by looking at the map.

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Delhi Metro Train Stations

Children will get off the bus at the Qutb Minar metro station. To reach the zoo, they need to get off the metro at the Supreme Court metro station.

Here is the metro map for your reference.

Read the key to the symbols and identify them on the map.

What do the different coloured lines represent?

Mark the Qutb Minar station on the Yellow Line and the Supreme Court station on the Blue Line.

Metro Map



Study the map carefully and answer the questions that follow.

Note for Teachers: Encourage the learners to observe the metro map carefully. Let them understand what different symbols mean on the map. Discuss with them that the coloured lines indicate different metro routes, making it easier for passengers to identify and navigate the routes. Let the learners work in groups to answer the questions.

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(a) Look at the metro map and trace different routes from the Qutb Minar metro station to the Supreme Court metro station.

(b) Lali says, "We can take the Yellow Line and change the metro at Hauz Khas to take the Magenta Line."

If the children follow Lali's suggestion, at which station(s) do they need to change the metro line again to reach the Supreme Court metro station?

(c) Which route has the least number of stations between Qutb Minar and Supreme Court?

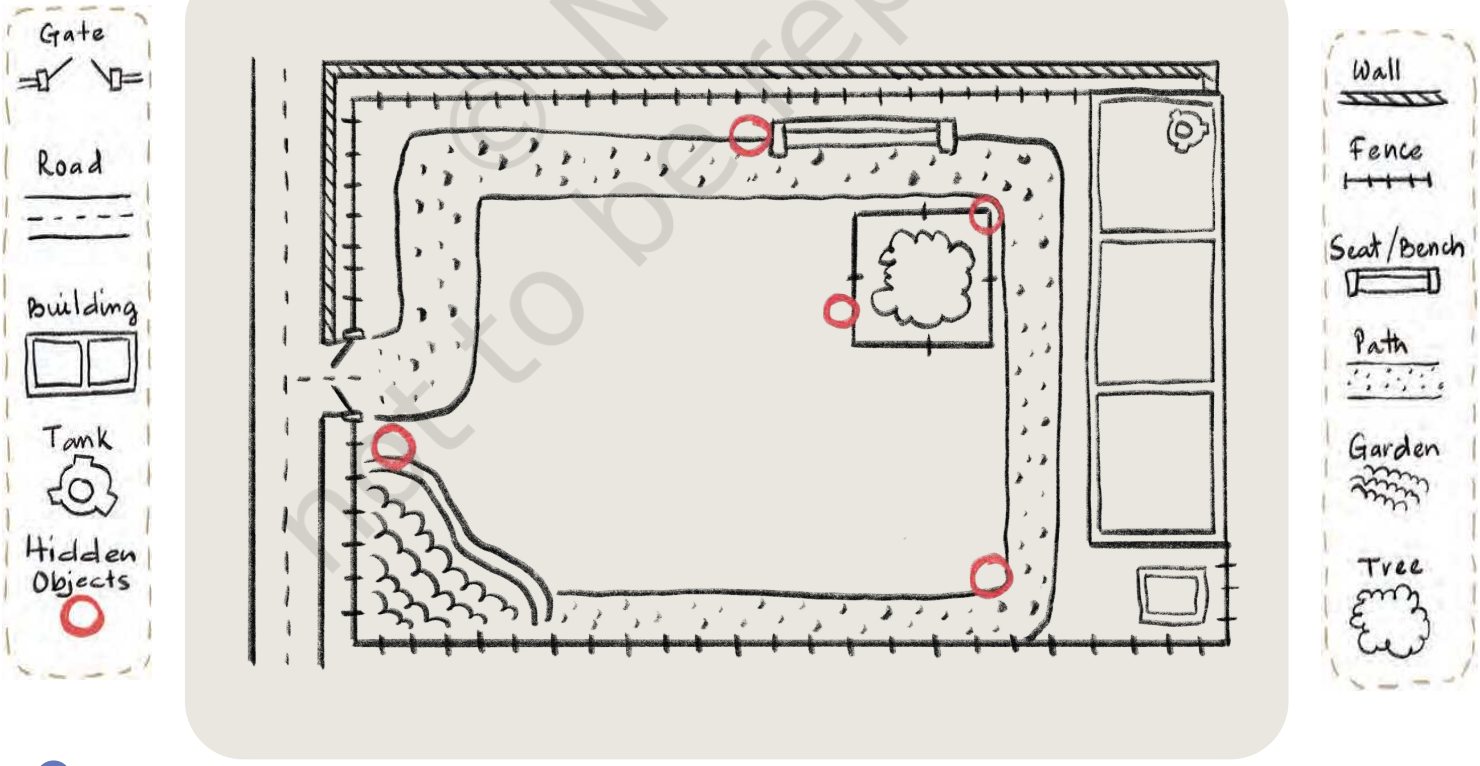
(d) Which metro route(s), do you think, is/are the best way to reach the zoo from Qutb Minar? _____

Let Us Do

Make a map showing the different places in your school. Make a key for the symbols used in the map. Hide some objects in these places.

Mark the positions where things are hidden with red dots or flags. Now, challenge your friends to find the hidden things by reading the map.

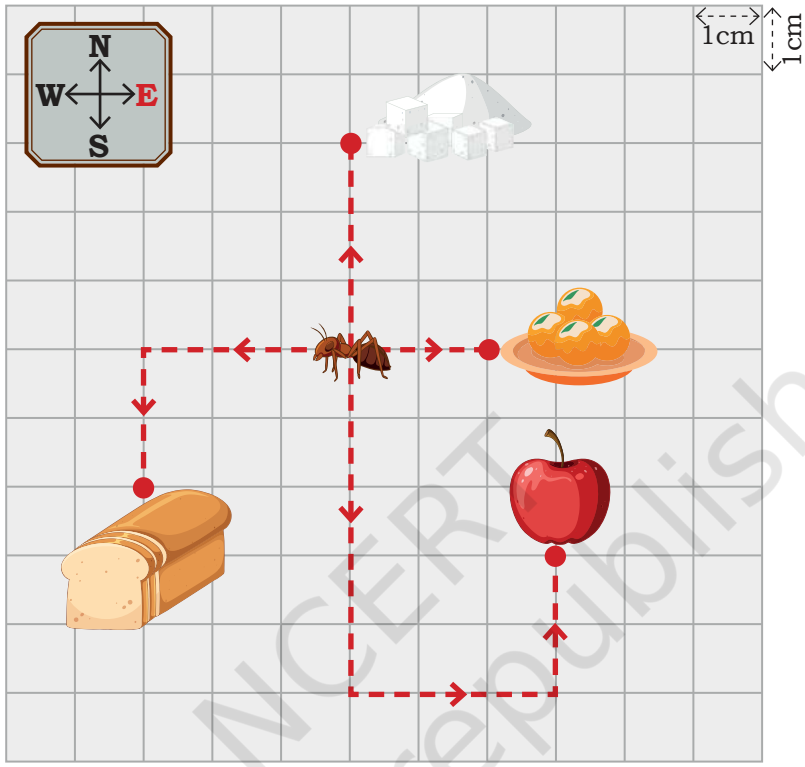
A sample map and its key are given below.



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Anthill in the Zoo

To collect food, the ant can only crawl along the dotted lines on the grid. The arrows show the direction in which the ant can move.



Fill in the blanks below with the distances and the directions in which the ant must move from its starting position.

(a) To get to the laddoos, the ant has to crawl 2 cm towards the east.

(b) To get to the sugar, the ant has to crawl ____cm in the _____direction.

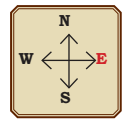
(c) To get to the bread, the ant has to crawl ____cm in the _____ direction; then ____cm in the _____direction.

(d) To get to the apple, the ant needs to crawl _____cm towards _____, and then ____cm towards _____, and finally ___cm towards_____.

Identify other routes to reach the point where apple is located. Which one is the shortest?

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Locating the Animals in the Zoological Park (Zoo)

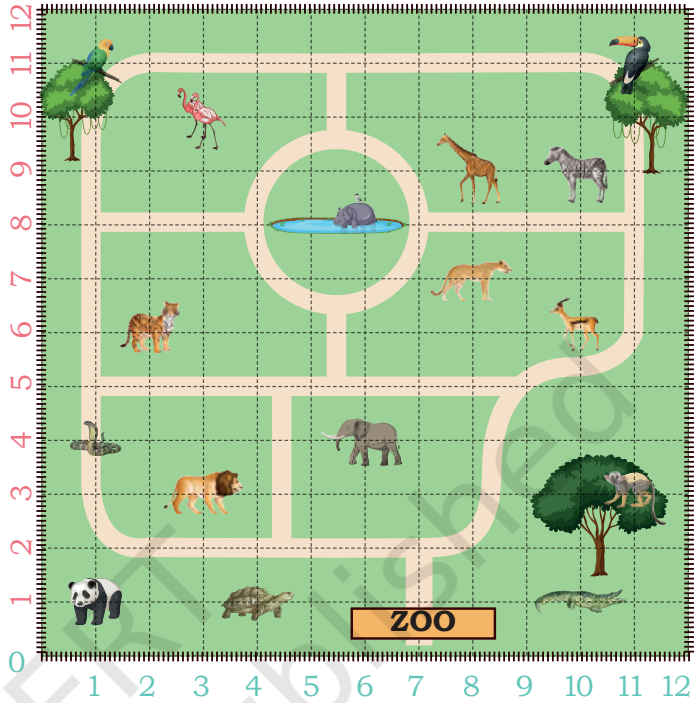


Children observe a map of the zoo drawn on a grid. Each vertical line (column) and horizontal line (row) is marked with a number.

To reach the Panda, we will start from zero. Move one step horizontally east and reach the first column.

Move up (vertically) one step north and reach the first row.

The panda is where the first row and the first column meet.



First move horizontally from 0 and then vertically.

We write the meeting point of the first row and the first column as (1,1).

To reach the tortoise, move _____ steps towards east and reach the _____ column.

Then move _____ step(s) _____ and reach the first _____.

The location of the tortoise is (4,1). What is at (1,4)?

Answer the following questions now—

1. Locate the animal at the following positions on the map.

   (a) (11,11) _____ (c) (6,4) _____ (e) (11,3) _____

   (b) (2,6) _____ (d) (3,10) _____ (f) (10,9) _____

2. Write the position of the following animals on the map.

   (a) Lion _____ (c) Tortoise _____ (e) Panda _____

   (b) Elephant ____ (d) Deer _____ (f) Crocodile _____

3. Place dots of different colours on the following positions.

   (a) (8,3) (Red) (c) (7,3) (Blue) (e) (8,6) (Black)

   (b) (2,9) (Green) (d) (3,8 (Orange) (f) (6, 6) (Pink)

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