

CHAPTER 1

DIRECTIONS

KNOW YOUR DIRECTIONS

You probably remember the names of all the four directions

East, _____, _____ and _____

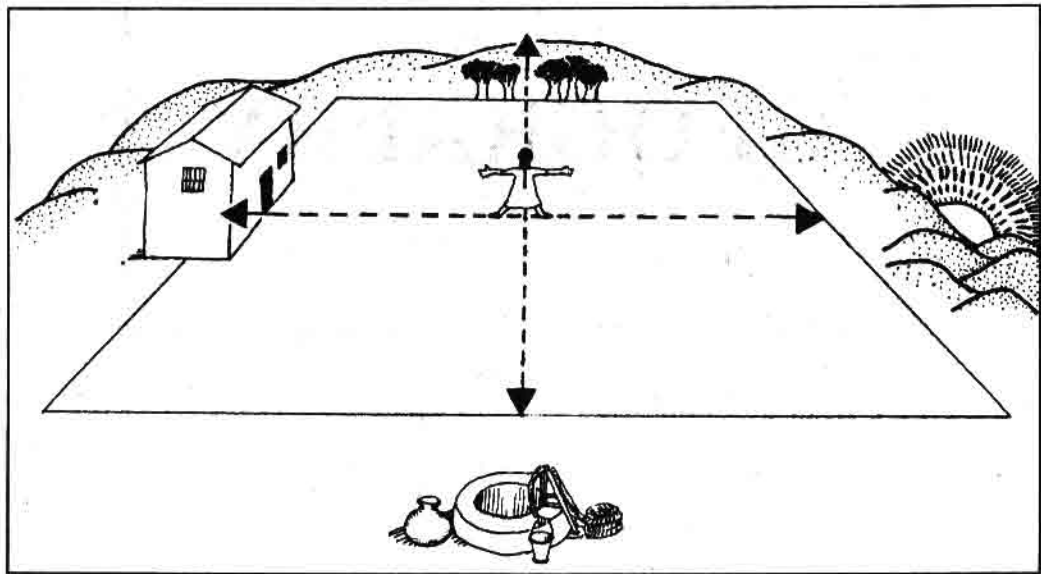
You also know that the sun rises in the _____ and sets in the _____

Turn your face towards the direction in which the sun rises. On your _____ side is the West and on your _____ side is the East.

To your right is the South, and to your left, the North.

Now turn to your left. Now you are standing with your face to the north (as shown in the picture).

Now to your right is the _____ and to your left is _____. At your back is the _____.

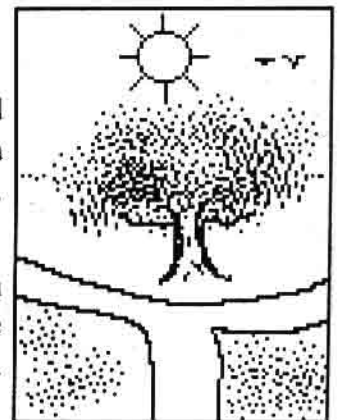


Mark all the four directions in this picture.

“WHICH DIRECTION TO GO?”

Early one morning Gullu set out for a village called Palasner. He had been told to take the straight road and walk for an hour till he reached a banyan tree. There he would find two roads going in opposite directions. He was to take the road going north.

Gullu reached the tree easily. He also found the roads which went in two opposite directions. However, he could not figure out which of the two roads went towards the north. If you were Gullu, how would you find out which road went north?



AROUND YOUR SCHOOL

You can also find the north with the help of a magnetic compass. Take a compass and go around your school. Find out - which side of your school is the north. Note the things you see in that direction.

What do you find in the south?

What do you find in the east?

What do you find in the west?



A compass

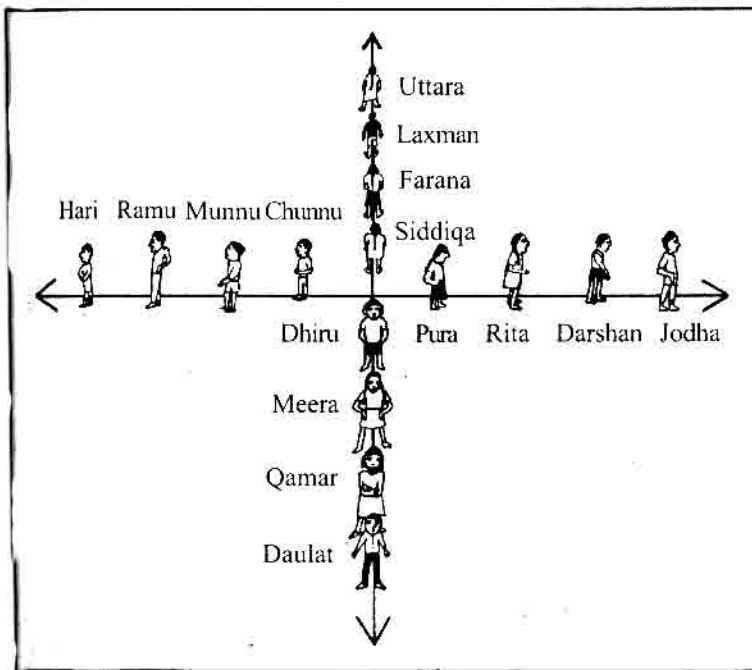
FUN WITH DIRECTIONS

Daulat is a student in Class 5. His teacher taught the class a game to help them to understand directions. He made all the students stand as shown in the picture. He then said, "Uttara, you are facing the north. Can you say which direction the rest of the class is facing?"

From Uttara to Siddiqa -

From Pura to Jodha -

From Dhiru to Daulat -



LET US PLAY ON

See the picture and say who is standing south of Siddiqa.

Who is standing north of Dhiru?

Who is standing east of Chunnu?

Who is standing west of Pura?

How many children are standing south of Meera?

How many children are standing south of Laxman?

Name the children standing west of Pura.

You can see that Chunnu is to the west of Pura but is east of Munnu. Likewise, Farana is to the — of Uttara but is to the —

_____ of Daulat.

The teacher explained, "There is an interesting thing about directions. A place does not in itself have a direction. Directions are relative and no place is by itself in the north or east. It may be north of one place but south of another. For example, Siddiqa is standing to the north of Dhiru, but she is also to the south of Farana and to the west of Jodha. To drive home the point the teacher asked a few more questions.

Munnu is to the _____ of Chunnu and to the _____ of Ramu.

Rita is to the _____ of Pura and to the west of _____ and to the _____ of Uttara.

Qamar is to the _____ of Meera and to the north of _____.

DIRECTIONS IN MAPS

You will see several maps in this book - of villages, towns, rivers, mountains, states, oceans, etc. How does one identify directions in such maps?

Maps are always made in such a way that the north is always towards the top. You have seen that when you face the north, the east is on your right and the west is on your left. The same applies to maps as well. In a wall map, the north is on the top and the east is towards the right and the west is towards the left. The south is opposite the north, that is towards the bottom of the map.

A SKETCH-MAP OF DAULAT'S SCHOOL

Daulat's class teacher drew on the blackboard a sketch-map of the school and its surroundings.

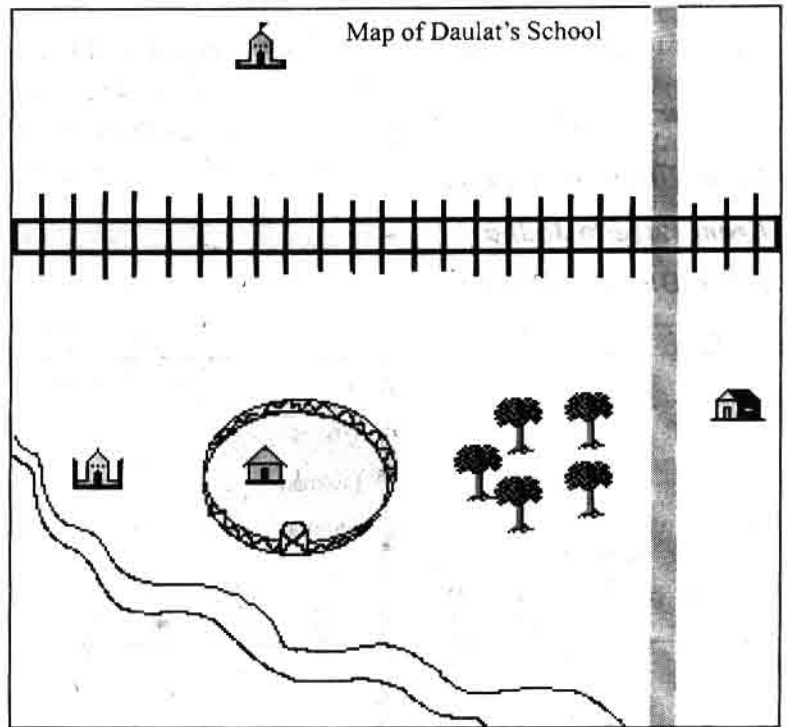
In which direction of the school does the railway line lie?

In which direction of the school are the trees?

In which direction of the school is Daulat's house?

In which direction of the school is the mosque?

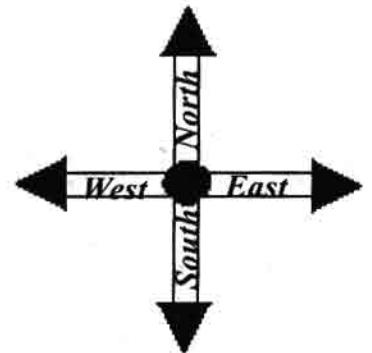
There is a very easy way to find out the direction of places and objects on a map. What is this method?



Make Direction Arrows

Take the cardboard cover of an old notebook or book. Draw arrows of directions as shown in the picture on the cardboard. Write the names of all four directions in the correct places.

Cut out the figure carefully. All the students must make their own direction arrows.



Direction Arrow

Tell the Direction

To know the direction of any object/place from any other, keep your arrow on the place. If you want to know the direction of the mosque from the school, keep the direction arrow on the school. The direction arrow should be kept in such a way that the circle in the middle of the arrow should lie on the school. You should also remember to keep the arrow marked "north" pointing towards the top of the page. Now keep the direction arrows on the following places and answer.

In which direction from Daulat's house is the road?

In which direction from the river is the mosque?

What is to the west of the trees? In which direction from the mosque is the river?

What is to the south of the temple?

Draw a tree to the east of Daulat's school, but west of the fence.

Draw a tree to the south of the temple but north of the railway line.

A PUZZLE

Daulat was going through some old papers in his house. Suddenly, he came across a piece of paper which contained a clue to some hidden treasure. This is what was written on the paper:

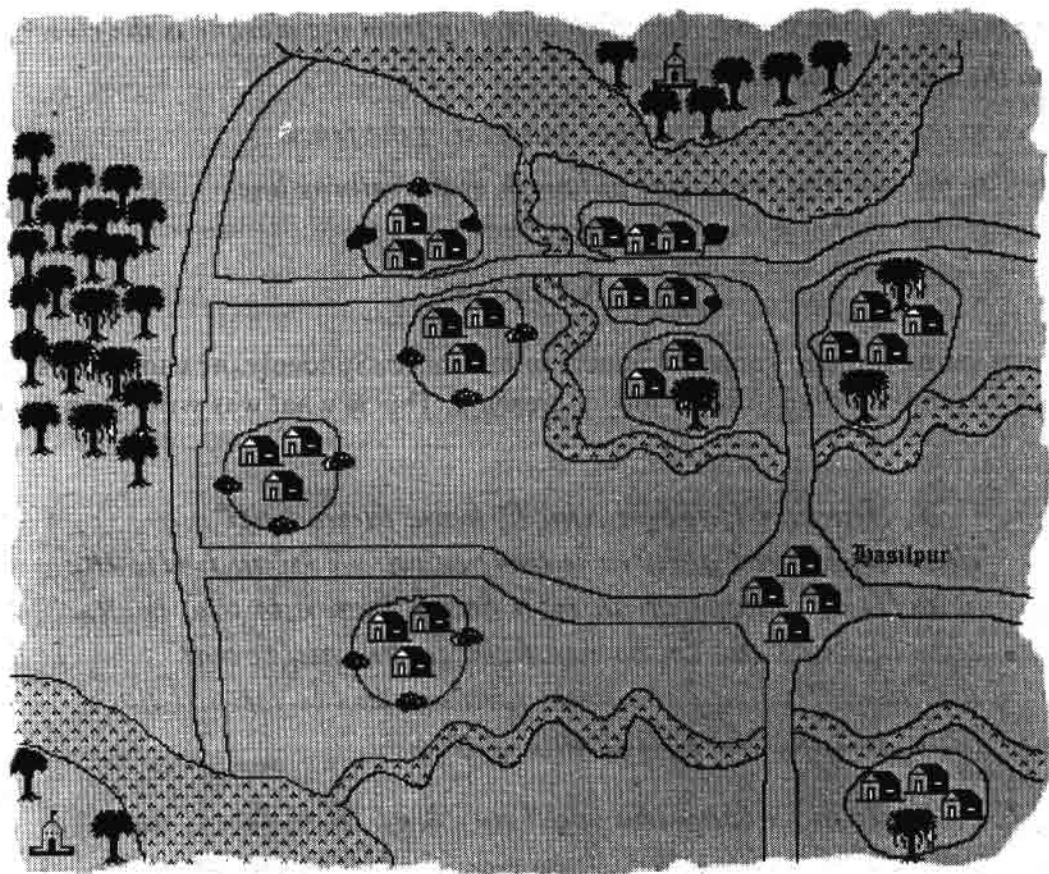
I, Thakur Gabbar Singh, have buried all my diamonds and gold in a temple on an island. All the jewellery is kept in an iron box which has two locks. The keys of the locks are kept in two different villages. To find the keys and reach the island you have to take the following route.

Walking along the road north of Hasilpur, you will come across the Banas river. After crossing the river you will find another road. East of the road you will find Inamgaon. South of Inamgaon you will find a banyan tree. Inside a hole in this tree you will find a box in which is kept the first key.

Walking further north on the same road, you will reach a trijunction. There you must turn west. After walking west for some time, you will once again come to the Banas river. West of the Banas river and north of the road, there is a village called Tripuri. East of this village there is a rock, underneath which is the second key.

After walking for some time on the road west of Tripuri you will come to a dense jungle. Without entering the jungle turn north and walk straight till you reach the edge of a lake. There is a small island in the lake. This island is covered with trees and bushes. Amidst them is a temple. Near the temple wall you will find a huge boulder. When you remove the boulder, you will find a tunnel leading to the chamber which has the trunk full of my jewels.

Gabbar Singh



Daulat also found another piece of paper containing a map. There were several villages shown on the map, but their names were not mentioned. Only Hasilpur village was named.

Can you locate the road that Daulat took to find the treasure? Use arrow marks to show the road.

Locate on the map the villages of Inamgaon and Tripuri, and write their names next to them. Put an 'X' mark on the places where the keys were found. Put an 'O' mark where Daulat found the hidden treasure.

DIRECTIONS ON A MAP - AN EXERCISE

One day the teacher took out the map of Madhya Pradesh and asked the students to identify places they have been to or have heard of. Then she asked them to see which direction one had to travel in order to reach those places.

Fill in the blanks

To go to Itarsi from Hoshangabad one will have to go in _____ direction.

However to go to Itarsi from Betul one will have to go in _____ direction.

We will have to travel towards _____ direction to go to Itarsi from Jabalpur.

Itarsi lies _____ of Khandwa.

You can see that Itarsi has no direction in itself. Its direction is always in relation to another place.