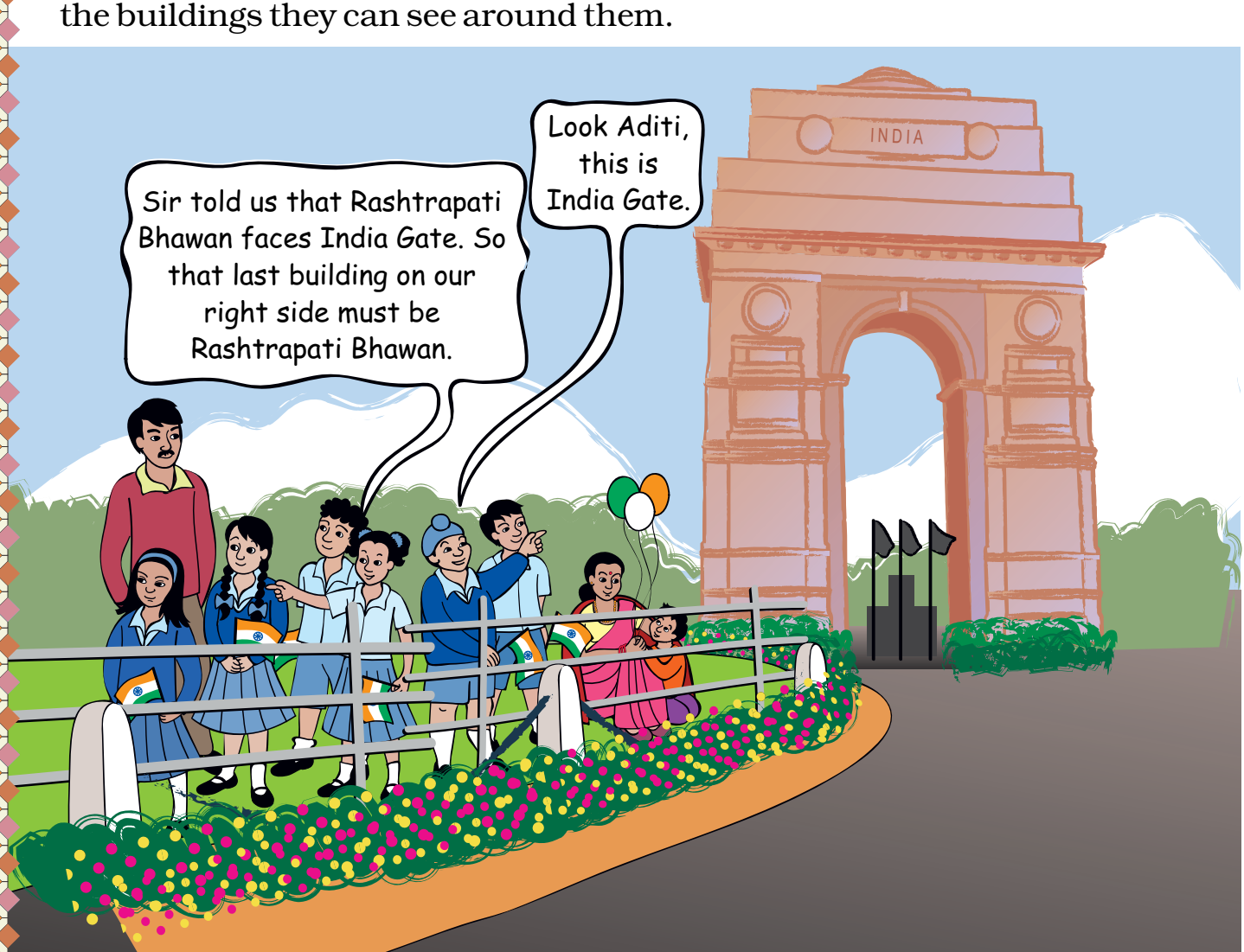
# 8 Mapping Your Way

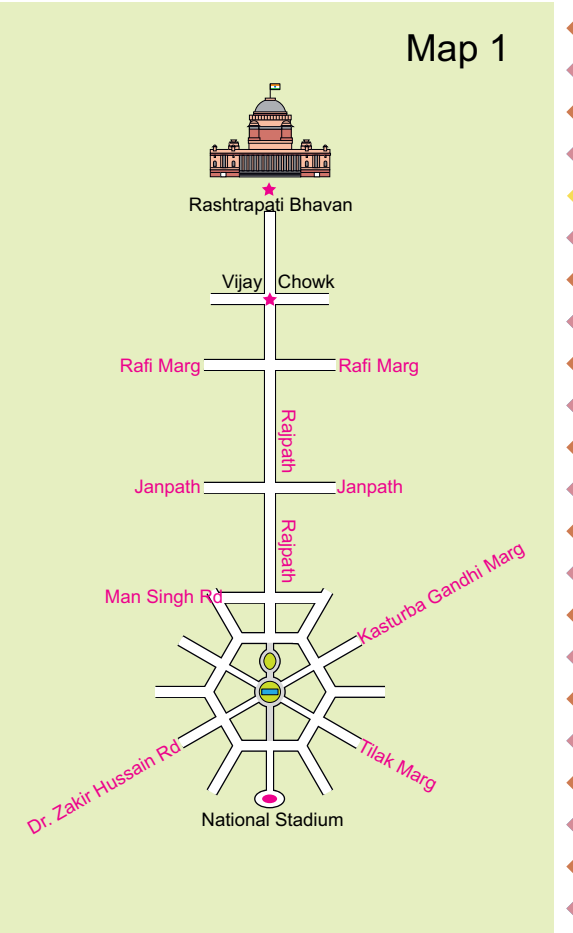
Ashi is going to India Gate to see the Republic Day Parade with the other children of her school. As the children settle down, they hear something about India Gate on the loudspeaker. "To the right of the President is the India Gate. This was built in memory of the Indian soldiers who died in the First World War."

There are lots of people sitting on both sides of Rajpath, the main road along which the parade passes. Children are talking about the buildings they can see around them.



Here is a photograph taken from a helicopter. You can see Rajpath — the road which joins India Gate to Rashtrapati Bhawan. Mark where on Rajpath will Aditi be.






### *Match the map and the photo*

1) Have you seen a map of a city? Look at Map 1. Match it with the photo and find out where India Gate is. Draw it on the map.

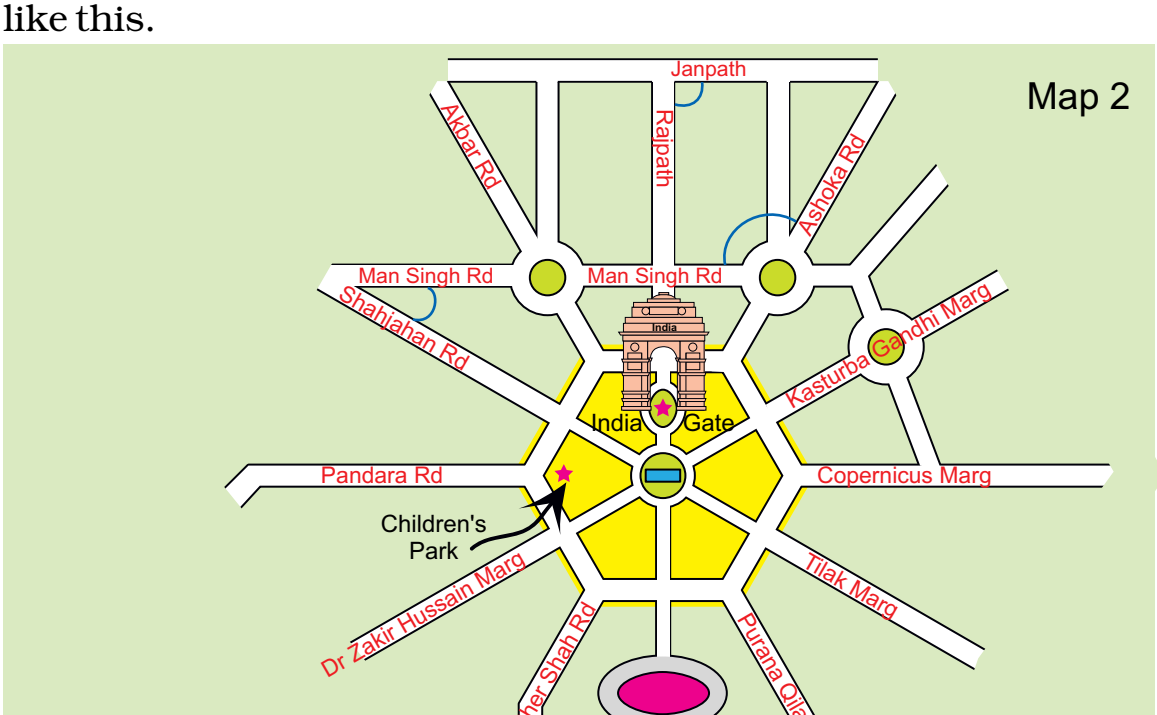
2) Some roads are shown in this part of the map. Look for them in the photo.

3) Name roads that you will cross on your way from Rashtrapati Bhawan to India Gate.

4) Look for the National Stadium in Map 1. Can you see it in the photo?

## The Central Hexagon

If we 'zoom in' to look more closely at one part of the map, it looks like this.




Look at the shape of the yellow area. Have you seen this shape before? How many sides does it have?

This place is called the Central Hexagon.

***Find out from the map***

1) If you are walking on Rajpath then after India Gate on which side would Children's Park be?

2) Which of these roads make the biggest angle between them?

   a) Man Singh Road and Shahjahan Road

   b) Ashoka Road and Man Singh Road (the angle away from India Gate)

   c) Janpath and Rajpath

3) Which of the above pairs of roads cut at right angles?

## Waiting for the Parade

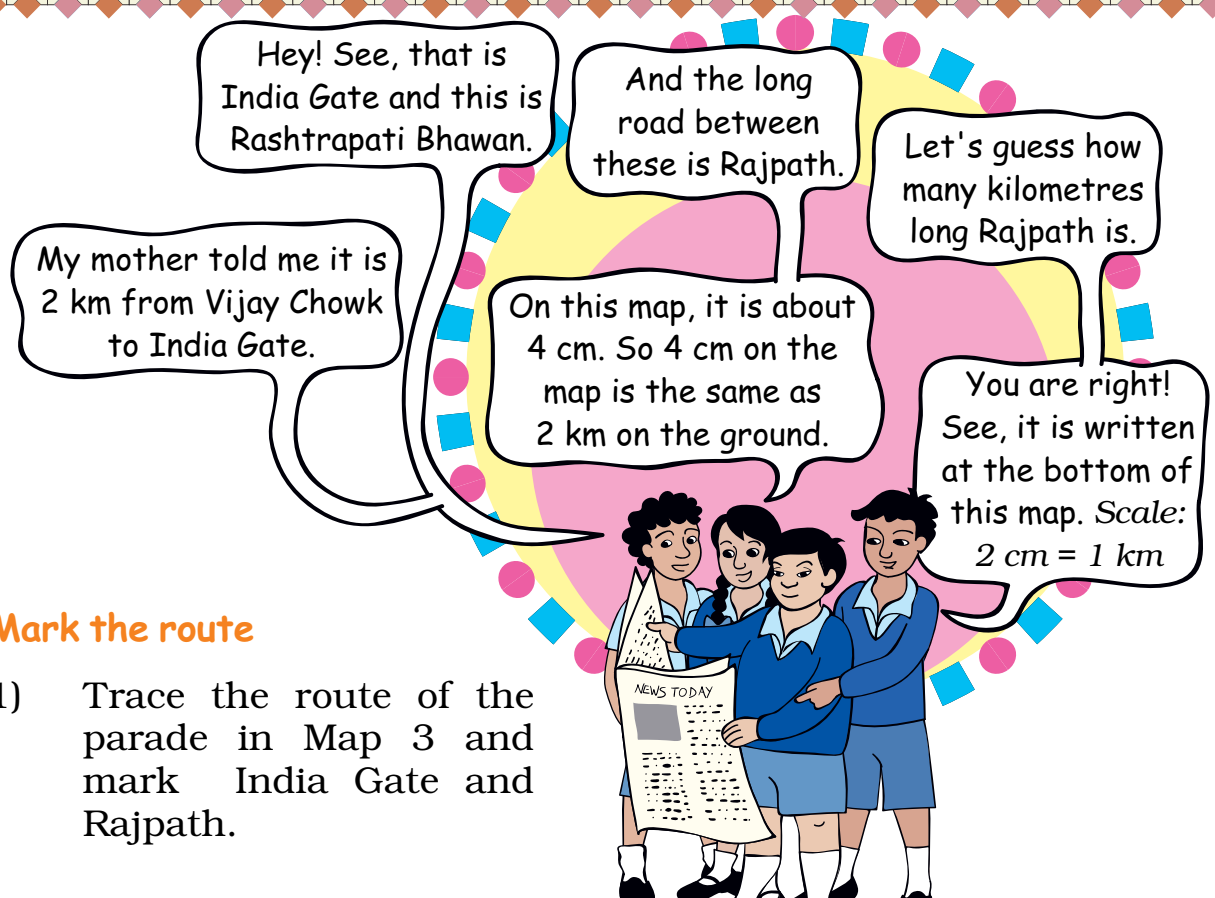
While waiting for the parade, Kancha and some of his friends wonder where this parade ends. Kancha is carrying a newspaper in which the route of the parade is written —

Vijay Chowk — Rajpath — India Gate — Tilak Marg — B.S. Zafar Marg — Subhash Marg — Red Fort.

The children look at this map to see the parade route.

Map 3






## Mark the route

1) Trace the route of the parade in Map 3 and mark India Gate and Rajpath.

2) Look at the map carefully and find out:

   a) Which of these is the longest road?

   ● B.S. Zafar Marg ● Subhash Marg ● Tilak Marg

   b) If Rubia is coming from Jama Masjid to join the parade, guess about how far she will have to walk.

   c) The total route of the parade is about how long?

   ● 3 km ● 16 km ● 25 km ● 8 km

As the parade passes by, they see some children coming on an elephant. These children have got bravery awards. They also enjoy the colourful dances and aerobics by school children.

They want to follow the parade to Red Fort. Gappu has seen Red Fort before and tells them about his trip.

Children should understand the need for a scale. We need to discuss that when we show a big area on paper, we have to reduce it by a fixed ratio everywhere, so that the relative distances and positions remain the same.

## *Trip to Red Fort*

"When we reached Red Fort, there was a long queue for tickets. The main entrance is called **Lahori Gate**. After entering it, we turned left into a long corridor with little shops on both sides. This is called **Meena Bazar**. I bought some lovely bangles from there for my sister".

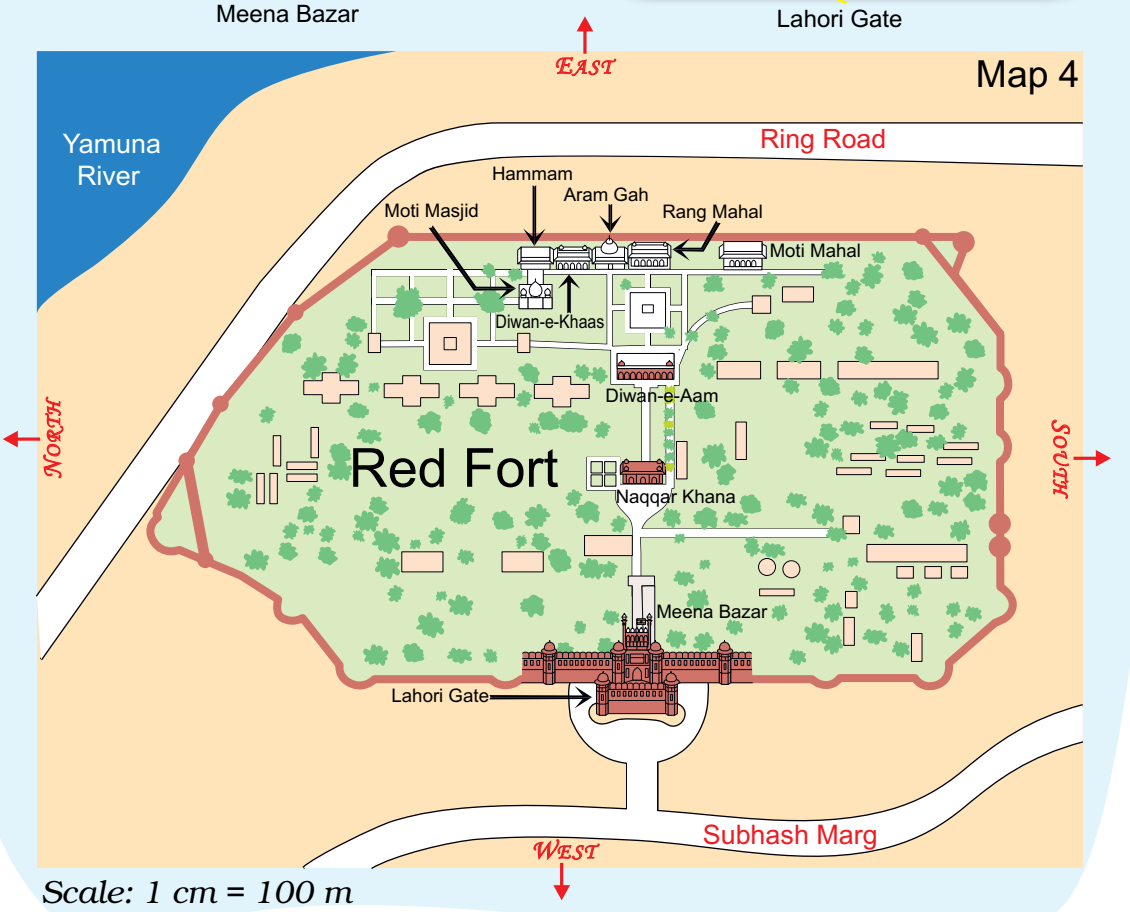




Meena Bazar



Lahori Gate




*Scale: 1 cm = 100 m*



Naqqar Khana — where drums were beaten to shout out the king's messages

"You can go straight through **Naqqar Khana** and reach **Diwan-e-Aam**. This is where the king used to meet the common people.

Walking straight from **Diwan-e-Aam**, we saw **Rang Mahal**. It is a beautiful building! There were three more buildings on our left side. Look for these on the map.

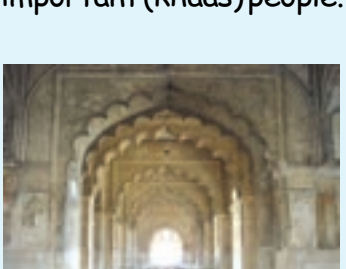




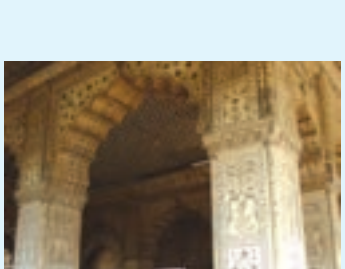


From the right – Rang Mahal, Aaram Gah and Diwan-e-Khas

We walked left from Rang Mahal. **Diwan-e-Khaas** was where the king used to meet his ministers and other important (khaas) people."



Inside Rang Mahal



Inside Diwan-e-Khaas

## *Find out from Map 4*

a) Which of these is nearer to river Yamuna? — the Diwan-e-Aam or the Diwan-e-Khaas?

b) Between which two buildings is Aaram Gah?

c) Which buildings do you pass while going from Rang Mahal to the Hammam?

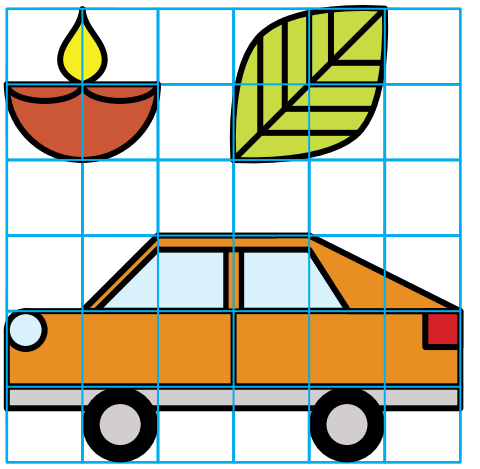
d) Which building on this map is farthest from Meena Bazar?

e) About how far is Lahori Gate from Diwan-e-Khaas?

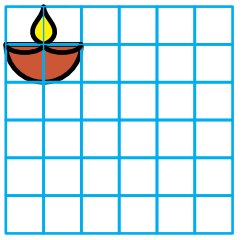
## Make It Bigger, Make It Smaller.

Here are some pictures drawn on a 1 cm square grid. Try making the same pictures on a 2 cm grid and also on a $\frac{1}{2}$ cm grid. One picture is already done.

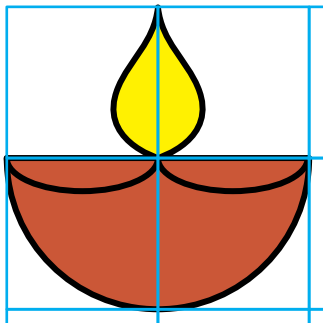
1 cm grid



$\frac{1}{2}$ cm grid



2 cm grid

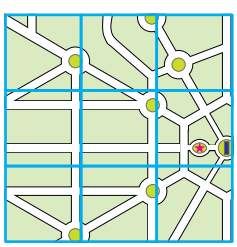


The side of the square was made two times bigger. Does its area also become two times bigger?

Enlarging or reducing of pictures and maps can be done on the classroom floor, the mud ground etc. This should be related to the use of scale in maps, which keeps the shape the same.

Now try this —

This is a part of the parade-route Map 3.



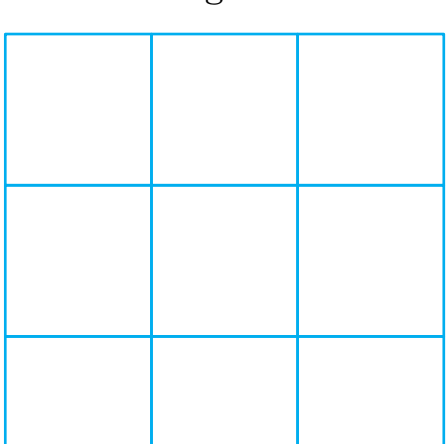
1 cm grid

1) Can you see which part of the route-map it is?

2) Now try to make it bigger in this 2 cm grid. Remember that the 'shape' of the map should not change.

3) If the parade route map is smaller, and the distance between India Gate and Vijay Chowk becomes 2 cm, what would be its scale?

- 1 cm on map = 1 km on ground
- $\frac{1}{2}$ cm on map = 1 km on ground
- 2 cm on map = 1 km on ground



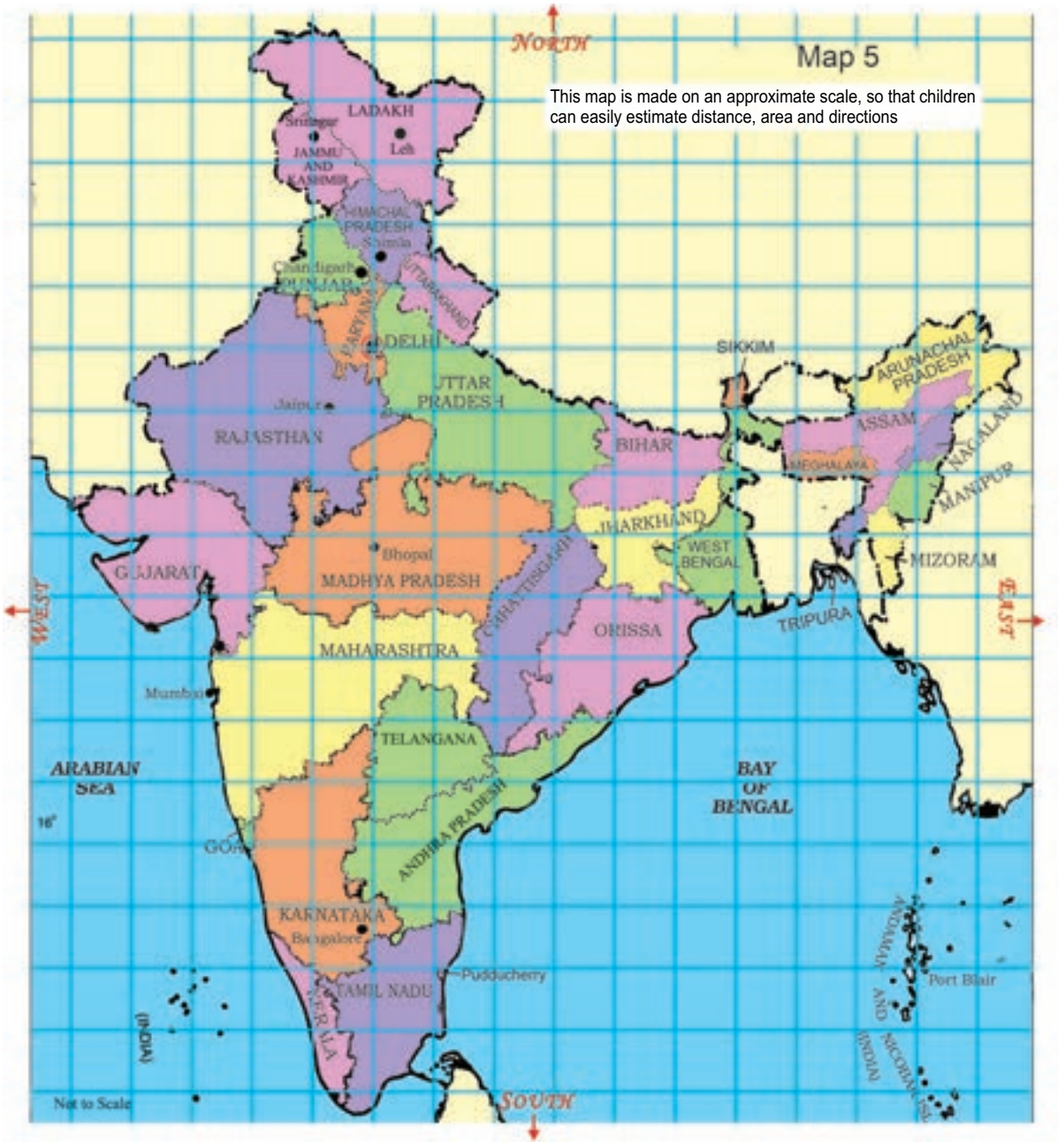
2 cm grid

## Dancers from Different States

The children saw many floats (*jhankis*) and dancers in the parade.



Look at the map of India below and find the states these children are talking about. Answer the questions:




1) The Karnataka team starts from Bangalore and moves in the **north** direction. Which states does it cross to reach Delhi?

As the children are being introduced to directions for the first time, many activities need to be done to use terms like 'towards north', 'southwards', 'in the east direction', 'to the west of Madhya Pradesh' etc. One can draw maps on the floor and get children themselves to stand on the map and say things like Venkat is to the south of Shanti', 'Maharashtra is to the east of Gujarat' etc.

2) Jammu and Kashmir is to the **north** of Delhi so the team from there travels towards **south** to reach Delhi. Which states does it cross?

3) Nonu lives in Gujarat. Nonu's friend Javed lives in West Bengal. Nonu wants to visit his friend. In which direction will he travel?



a) Towards west
b) Towards east
c) Towards south
d) Towards north

4) Is there any state which is to the north of Jammu and Kashmir?

5) Is there any state which is to the west of Gujarat?

6) If **1 cm on the map shows 200 km on the ground,** use this scale to find out:

A) About how far is Delhi from Jaipur?

a) 50 km b) 500 km c) 250 km

B) Estimate, how far is Jaipur from Bhopal?

On the map = _____ cm.

On the ground = _____ km.

7) Look at the map and tell:

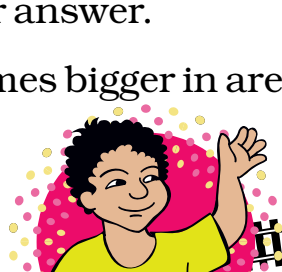
a) Which state is surrounded by four other states?

b) Which state has the largest area? If its name is not in the map, find it from your teacher or parents.

Explain how you got your answer.

c) Which state is about 8 times bigger in area than Sikkim?

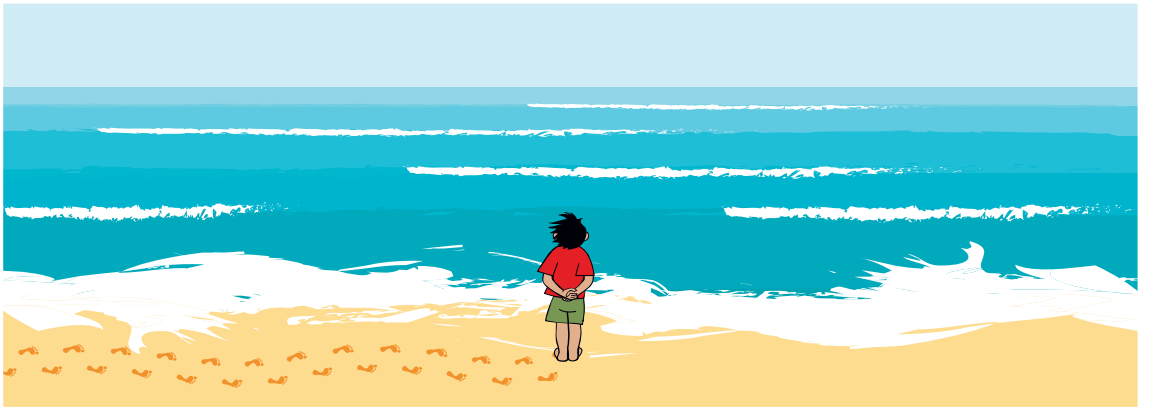
- Uttar Pradesh
- Tripura
- Maharashtra
- Himachal Pradesh



d) About how many times of Punjab is the area of Rajasthan?

## The Sea

Bala is standing on the sea-coast and looking at the vast sea. The sea looks endless .



Have you seen the sea? In the picture where is the sea? Now look for the sea in the map of India. What colour is used to show the sea?

- Mark those states which have the sea on one side.
- Name one state which does not have the sea on any side.

### *Find out*

Look for different maps. Compare the different scales used in a local area map, a map of India and a world map etc.

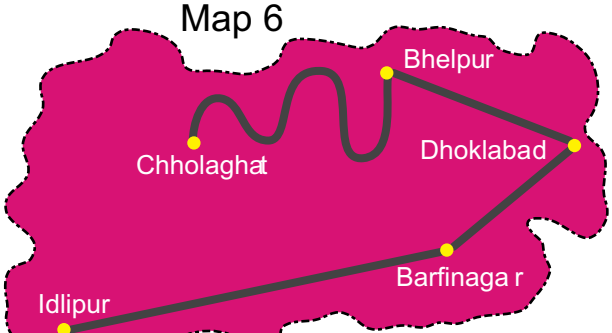
## Lines between the States

Sabu is confused about the lines shown between the states.



## Distances between Towns

Map 6




*Scale: 1 cm on the paper = 10 km*

These are five towns. Find out:

1) How many cm away is Idlipur from Barfinagar on the map?

2) How many kilometres will you have to travel if you go from Idlipur to Barfinagar?

3) There is a place called Thukpagram midway between Idlipur and Barfinagar. Mark it with a 'T'.

4) A town called Jalebipur is 35 kms away from both Chholaghat and Dhoklabad. Where do you think it can be? Mark 'J' for it.

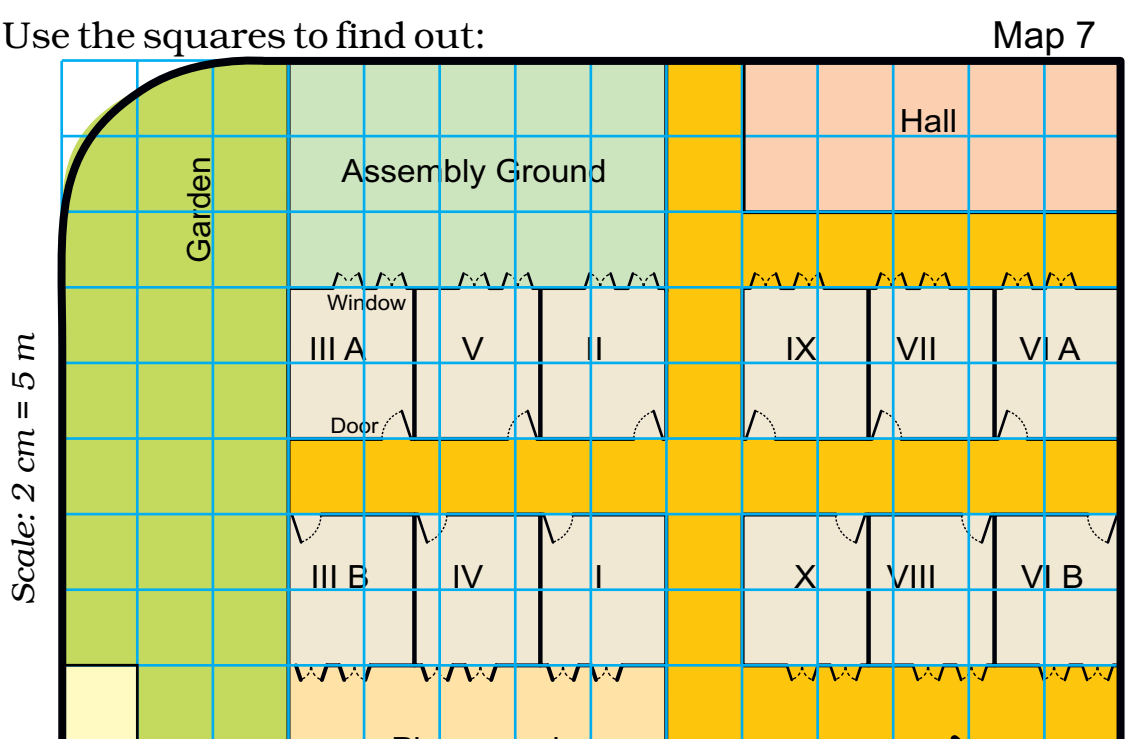
5) Measure the length of the route between Bhelpur and Chholaghat. (You can use a thread)

## Ashi's School

Ashi's school looks like this from the top.

Use the squares to find out:

Map 7



1) How many times bigger is the area of the Assembly ground than that of the office?

2) How much is the length and width of each classroom?

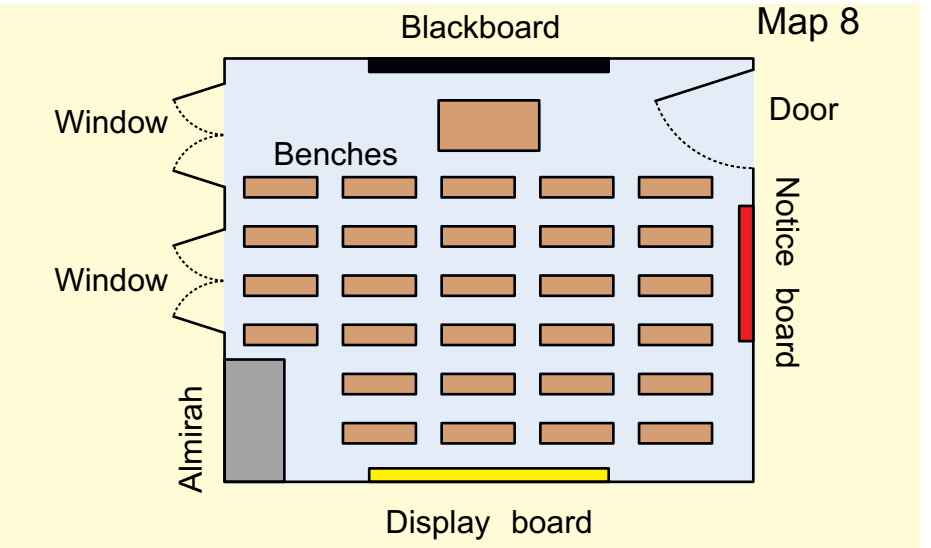
a) length 5 m, width 4 m

b) length 2 m, width 1 m

c) length 12 m, width 10 m

d) length 5 m, width 5 m

3) All the classrooms in Ashi's school look like this.




Look carefully and answer.

a) Which of these is exactly opposite to the blackboard?

- Almirah, windows, notice board, display board

b) Now look at the school-map again. Guess and mark where would these be:

- Blackboard in III A and VII
- Almirah in IV and X
- Notice board in V and VI B
- Last seat of middle-row in II
- Display board in I.

c) Can a child sitting in III A see the playground?