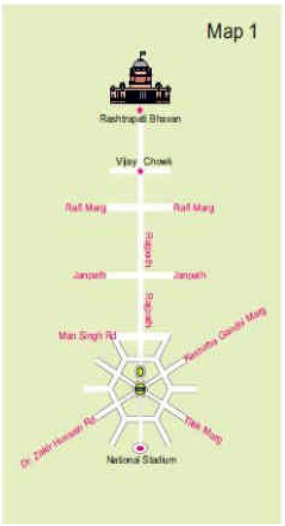
CLASS NOTES	
Class: V	**Topic: Ch-8** **Mapping your way**
Subject: Mathematics	

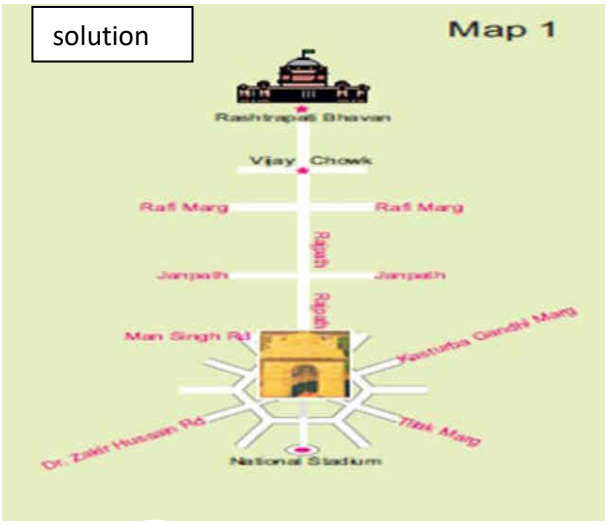
Note:Draw / make copy of all the maps given in your maths textbook of chapter 8, paste it in your notebooks as per the requirement.

Q1. Look at the map 1. given below and answer to the following questions.

1 Compare the picture and map then search India Gate, Show it on the map.



solution

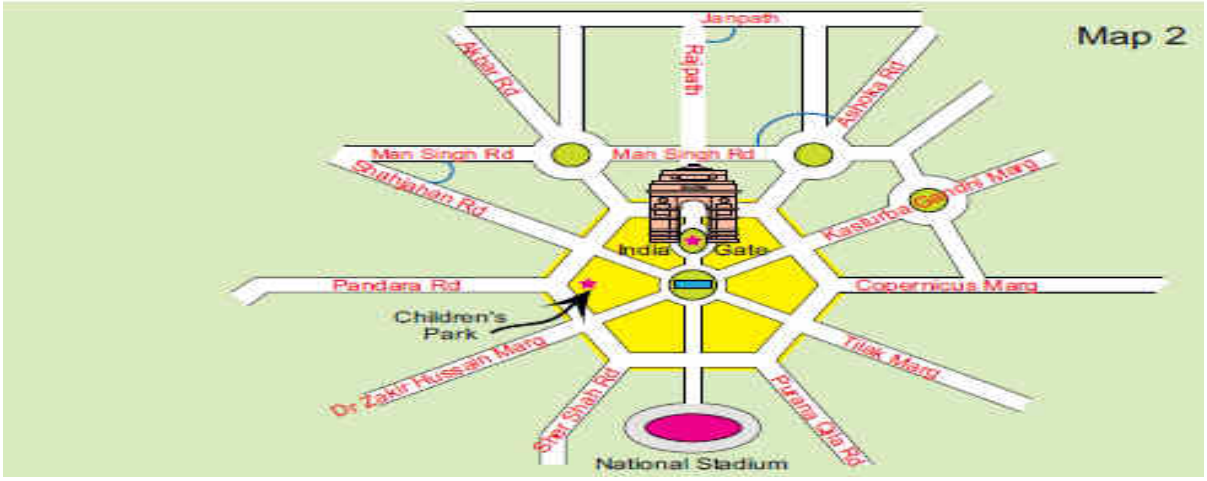


2. Name roads that you will cross on your way from Rashtrapati Bhawan to India Gate.

Ans. The roads that will come across on my way from Rashtrapati Bhawan to India Gate are Rafi Marg, Janpath and Man Singh Road.

3. Look for the National Stadium in Map 1. Can you see it in the photo?
Ans.The National Stadium is seen in Map 1, but cannot be seen in the photo.

Q2.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?

Ans. The Children's Park would be on the right side, while walking on Rajpath.

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

Ans.(b) Ashoka Road and Man Singh Road

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

Ans. Janpath and Rajpath cut right angles.

Q3. Waiting for the Parade:

While waiting for the parade, Kancha and some of his friends wonder where this parade ends. Vijay Chowk — Rajpath — India Gate — Tilak Marg — B.S. Zafar Marg — Subhash Marg — Red Fort. Kancha is carrying a newspaper in which the route of the parade is written —

Look at the map carefully and find out:

a) Which of these is the longest road?

i. B S Zafar Marg ii. Subhash Marg iii. Tilak Marg

Ans.(ii)Subhash Marg is the longest road among them.

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

Solution: We know that the route of the parade through Subhash Marg and the Jama Masjid is 1 cm away from the Subhash Marg on the map.

In given map the scale is 2 cm = 1 km so, 1 cm = 0.5 km

We know that, 1 km = 1000 m so, 0.5 km = 500 m

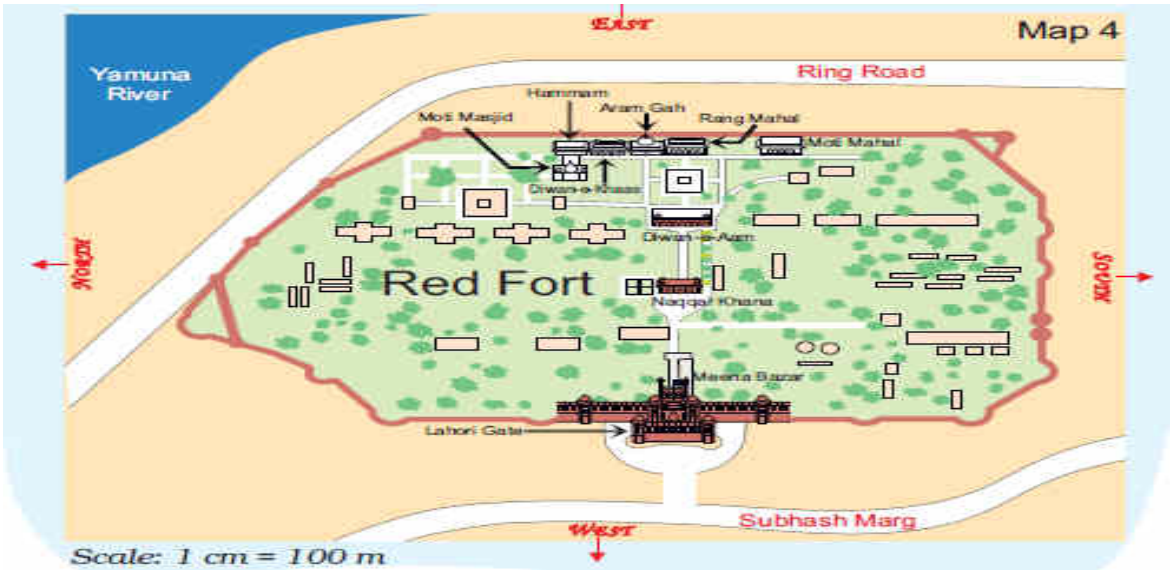
Thus, Rubia will have to walk about 500 m to join the parade

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

i. 3km ii.16km iii.25 km iv.8km

Solution:
Total distance of parade in the map is 16 cm.
And we know that, 2 cm on map = 1 km Thus, 16 cm = 8 km
So, the total route of the parade will be about 8 km.

Q4.Trip to red fort:



Find out from Map 4

1. Which of these is nearer to river Yamuna? — The Diwan-e-Aam or the Diwan-e-Khaas?

Ans. Diwan-e-Khaas is nearer to river Yamuna than Diwan-e-Aam.

2. Between which two buildings is Aram Gah?

Ans. Aram Gah is between Diwan-e-Khaas and Rang Mahal.

3. Which buildings do you pass while going from Rang Mahal to the Hammam?

Ans. We will pass through Aram Gah and Diwan-e-Khaas while going from Rang Mahal to the Hammam.

4. Which building on this map is farthest from Meena Bazar?

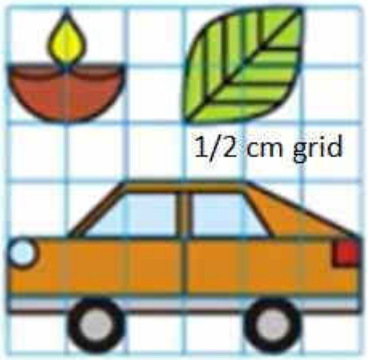
Ans.Hammam is farthest from Meena Bazar.

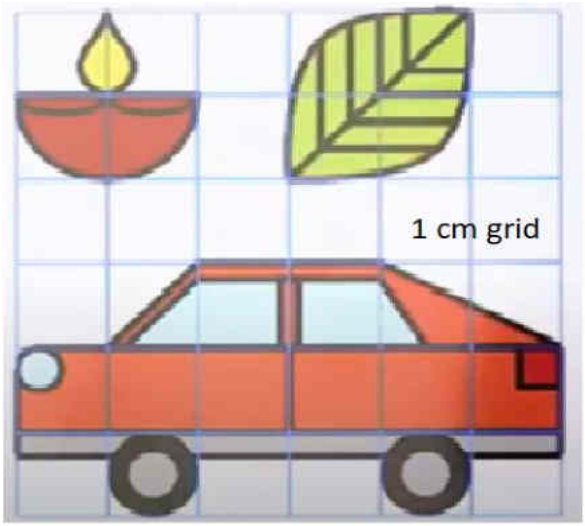
5. About how far is Lahori Gate from Diwan-e-Khaas?
Solution:
The map distance of Lahori Gate from Diwan-e-Khaas is about 6 cm.

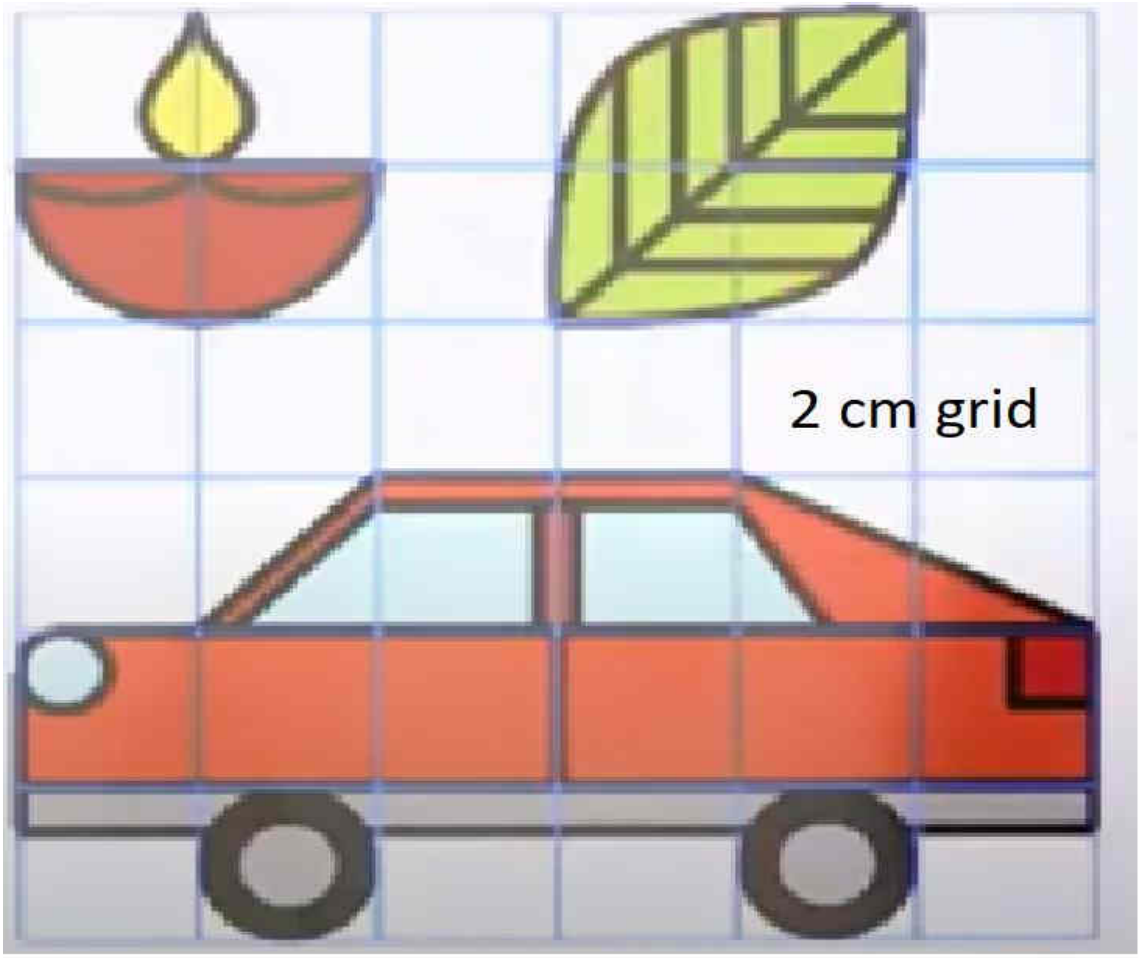
We know, 1 cm = 100 m
So, ground distance of Lahori Gate from Diwan-e-Khaas = 6 ×100 = 600 m

Q5.Make it bigger, make it smaller

Here are some pictures drawn on a 1cm square grid. Try making the same pictures on a 2 cm grid and also on a ½ cm grid.







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

Solution:

Suppose the original length of side of square is 1 cm. Now, area of square = side × side = 1 cm × 1 cm = 1 square cm

When the side of square is made two times bigger, then the new length of the side of the square will be 2 cm Area of square = side × side = 2 cm × 2 cm = 4 square cm

So, when the side of the square is made 2 times bigger, then its area becomes 4 times bigger than the original area.

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