

SESSION : 5
CLASS : 3
SUBJECT : MATHEMATICS
CHAPTER NUMBER: 7
CHAPTER NAME : GEOMETRY
SUBTOPIC : DOT GRID, MAP READING

CHANGING YOUR TOMORROW

LEARNING OBJECTIVE :

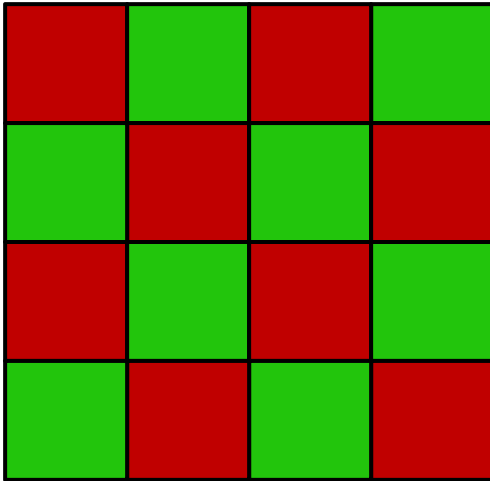
Children will

- * Identify the parts of a map.
- * Explain the function or purpose of each part of the map.
- * Create their own functional map.
- * Describe their geographic location in different ways.

GEOMETRY

DOT GRID, MAP READING

Can you find the unit shape of this tessellation?



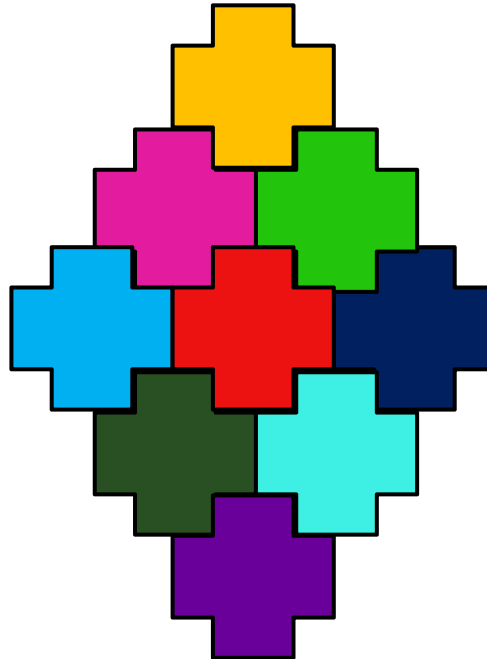
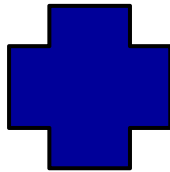
Unit Shape



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DOT GRID, MAP READING

Form a tessellation using the given unit shape.



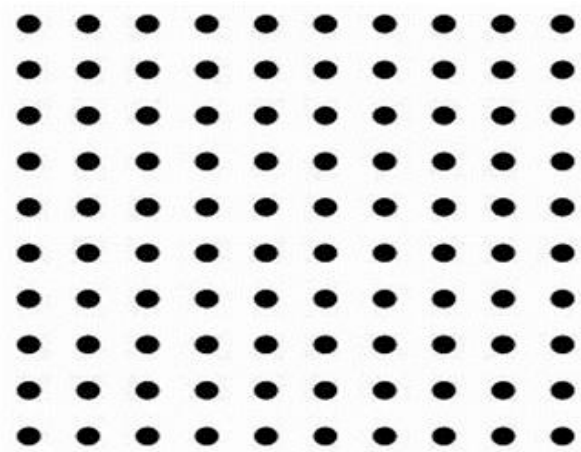
GEOMETRY

DOT GRID, MAP READING

What is Dot Grid?

A structure made from horizontal and vertical lines using dots crossing each other to form squares is a Dot Grid.

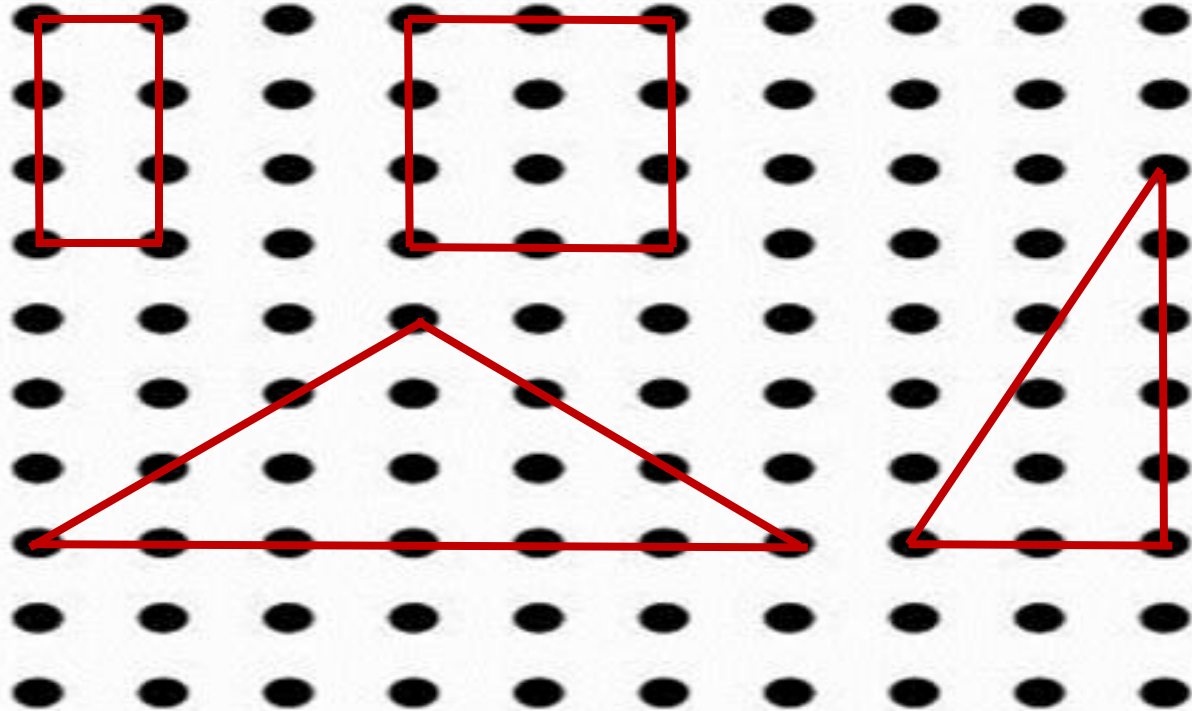
EXAMPLE



GEOMETRY

DOT GRID, MAP READING

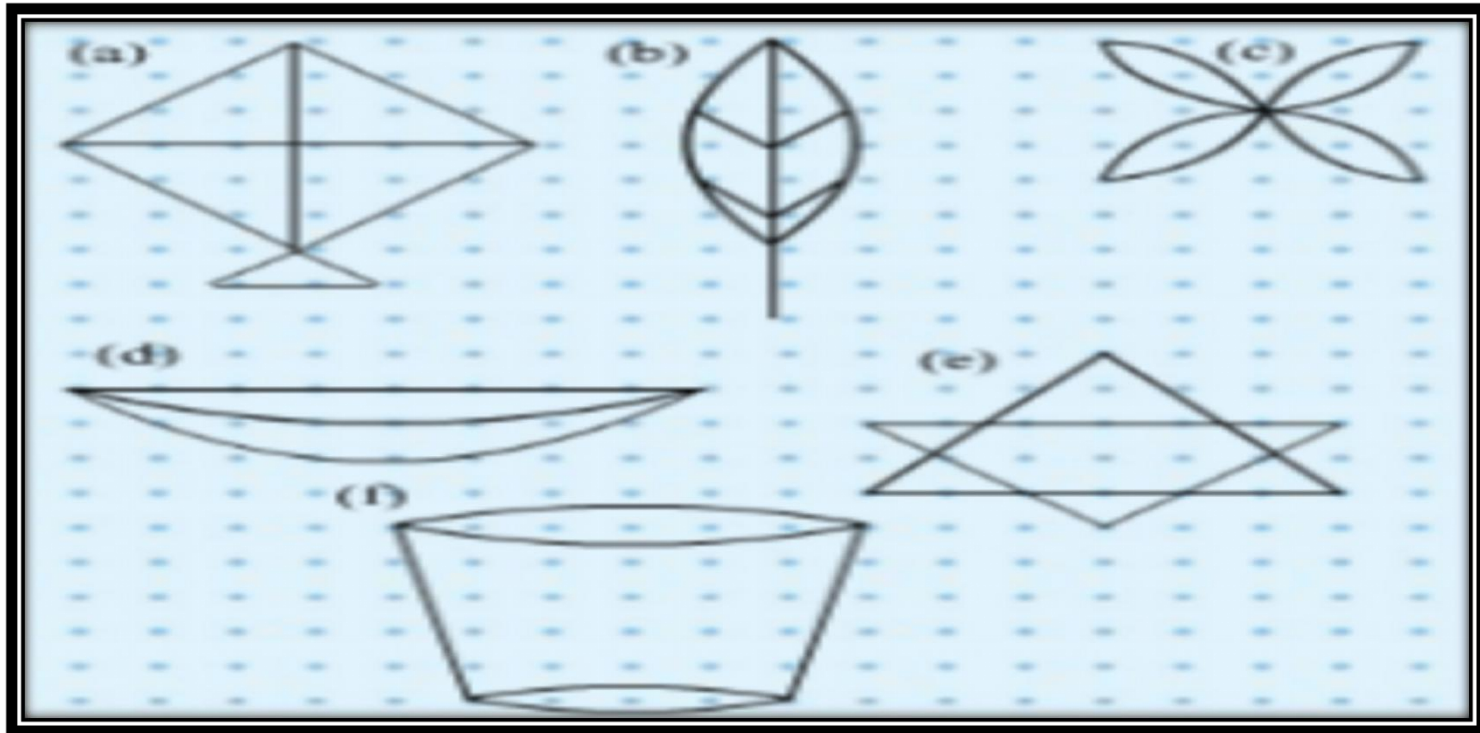
Let us draw some geometrical shapes in the given Dot Grid.



GEOMETRY

DOT GRID, MAP READING

These are some more examples.



GEOMETRY

DOT GRID, MAP READING

What is a map ?

A map is a symbolic representation of selected characteristics of a place, usually drawn on a flat surface.

EXAMPLE



GEOMETRY

DOT GRID, MAP READING

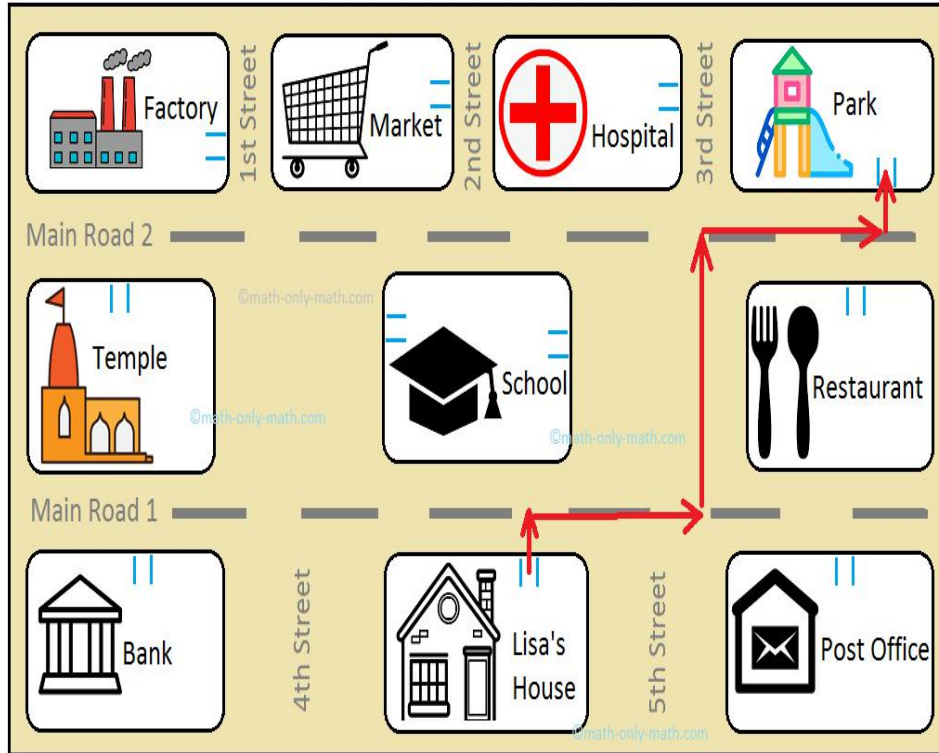
What is a map reading?

Map reading is the process of looking at the map to determine what is depicted and how the cartographer depicted it. This involves identifying the features portrayed, the symbols and labels used, and information about the map that may not be displayed on the map.

GEOMETRY

DOT GRID, MAP READING

See the map and answer the given questions.



1) Can you say if you go to the left of Lisa's house where will you reach?

Ans) Bank

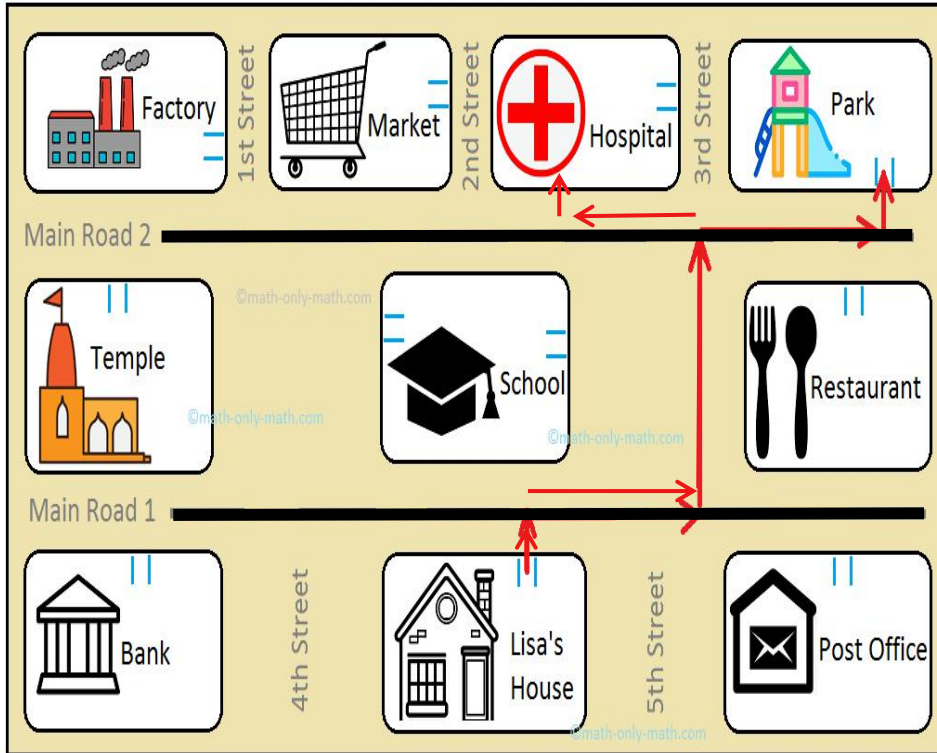
2) Which side do the temple lies of Lisa's house?

Ans) Left

GEOMETRY

DOT GRID, MAP READING

See the map and answer the given questions.



3) Mark the nearest way from Lisa's house to the hospital?

4) In which direction will Lisa go to the restaurant from the market?

Ans) Left

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DOT GRID, MAP READING

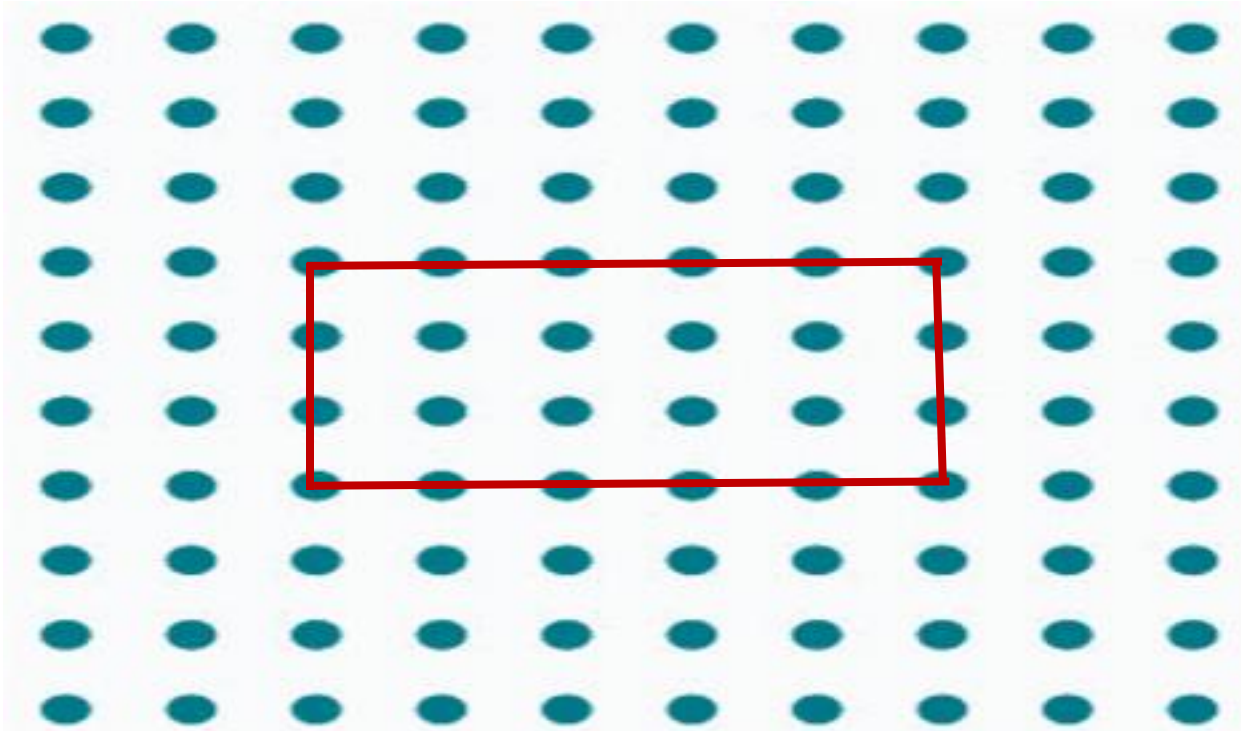
**Exercise-7 D 1 and 2
in the book.**



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DOT GRID, MAP READING

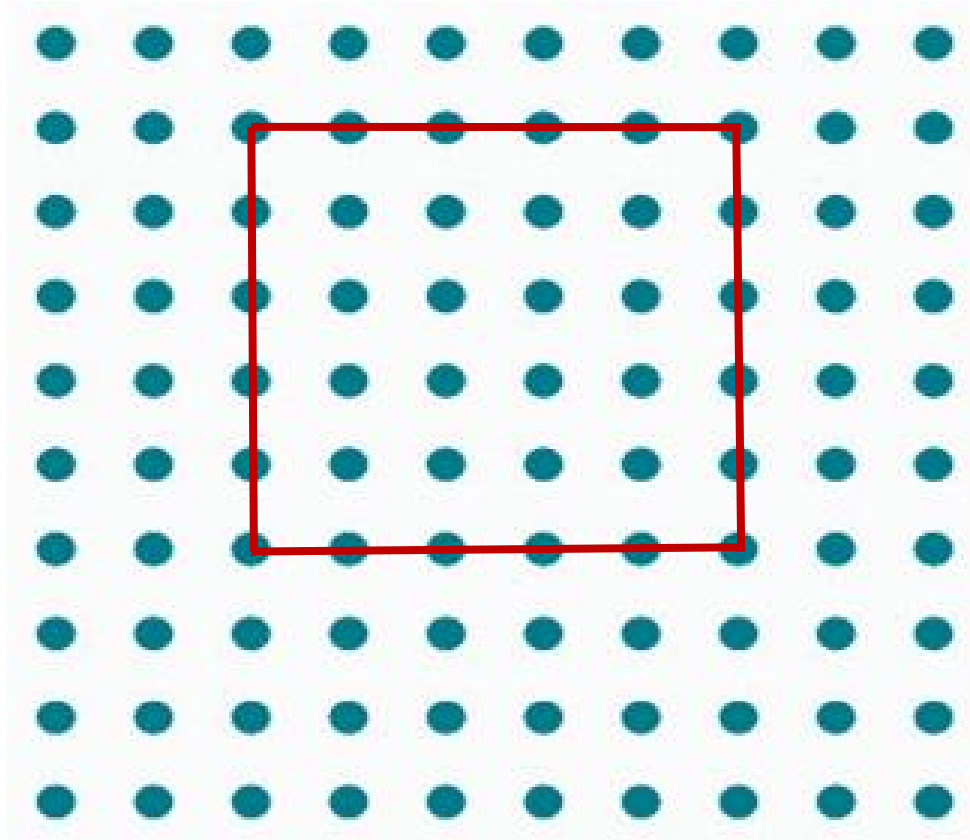
1) In the given Dot Grid, draw the following.
(a) a rectangle



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DOT GRID, MAP READING

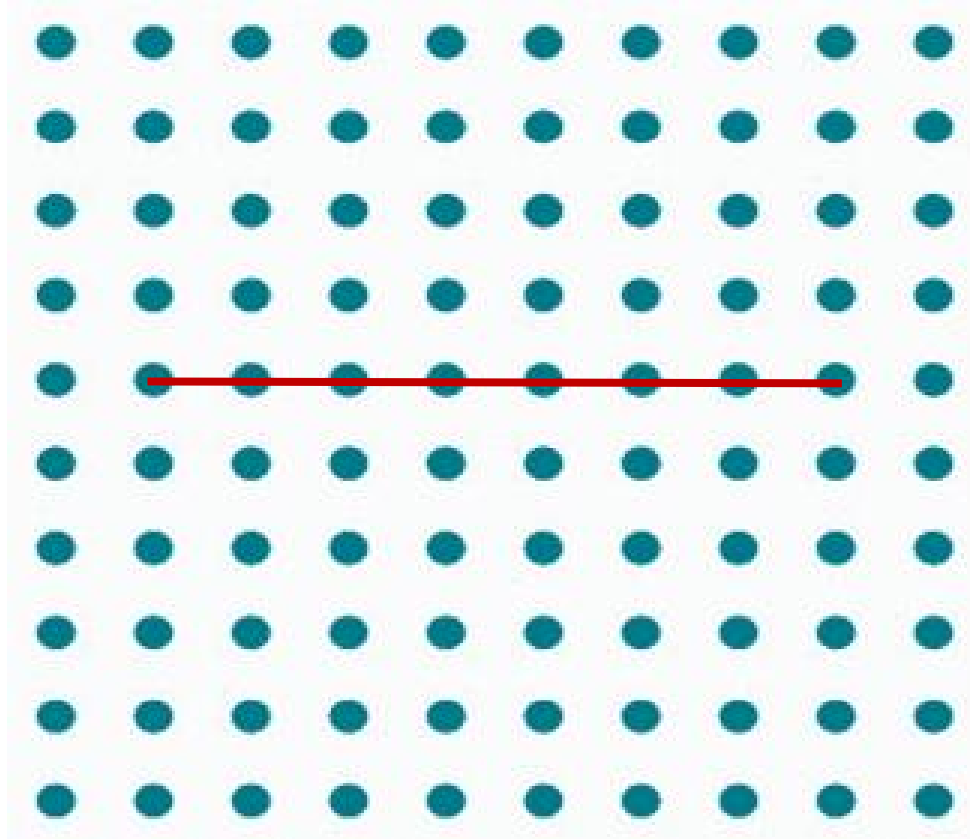
(b) a square



GEOMETRY

DOT GRID, MAP READING

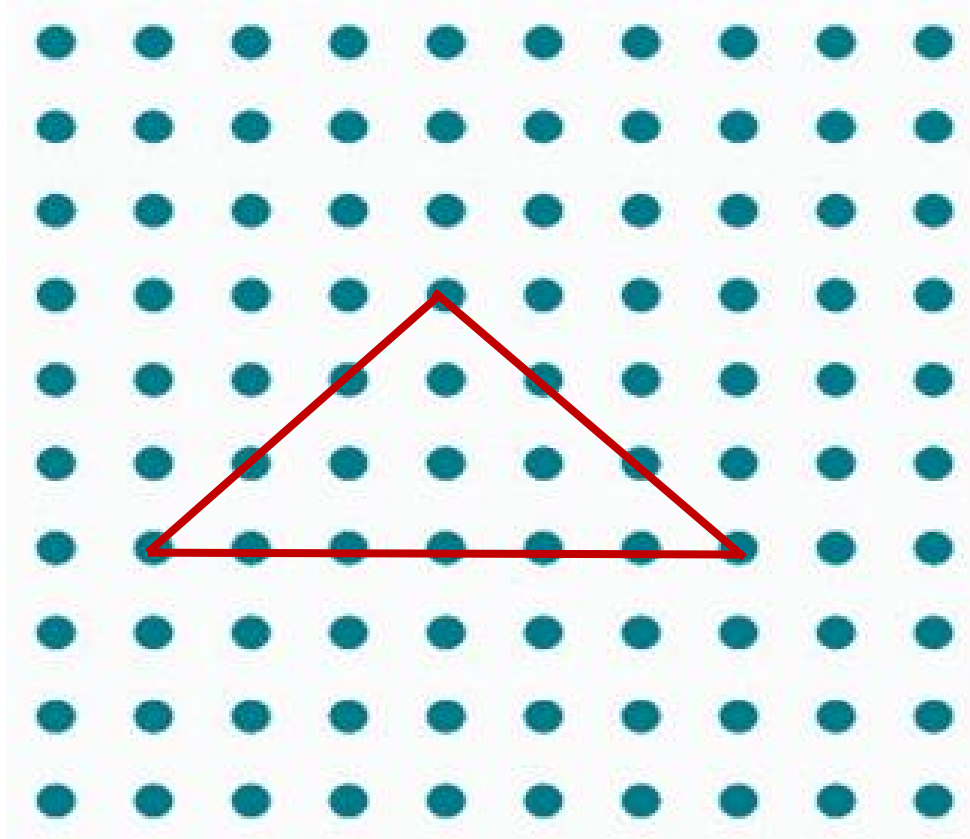
(c) a straight line



GEOMETRY

DOT GRID, MAP READING

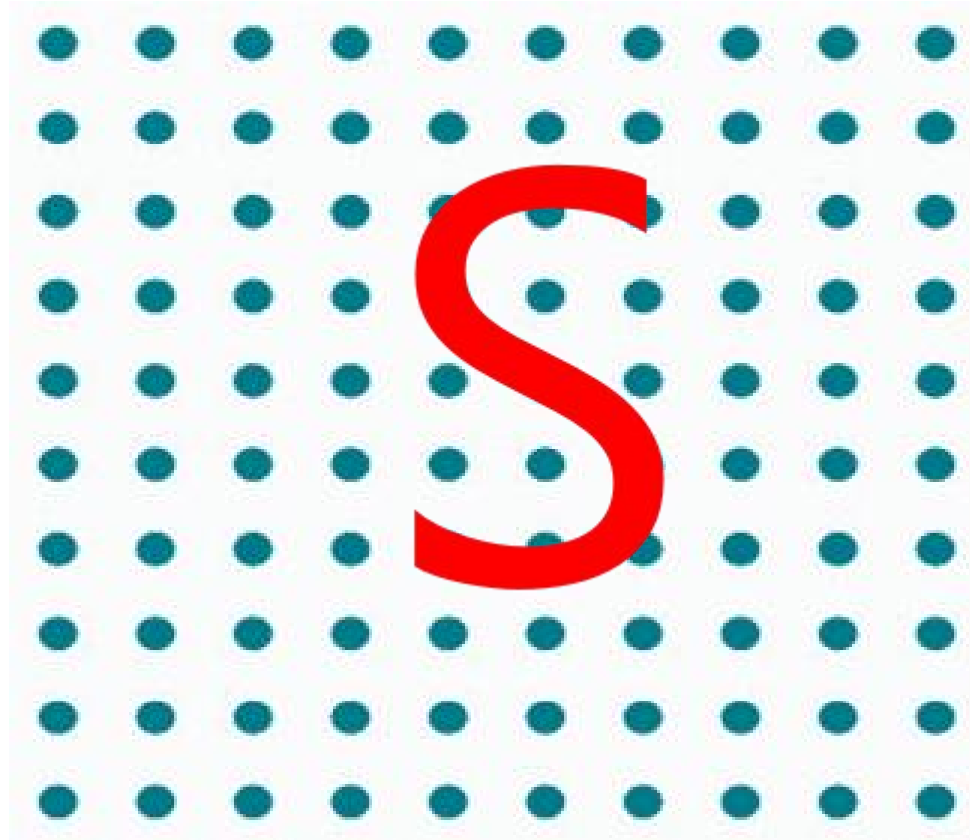
(d) a triangle



GEOMETRY

DOT GRID, MAP READING

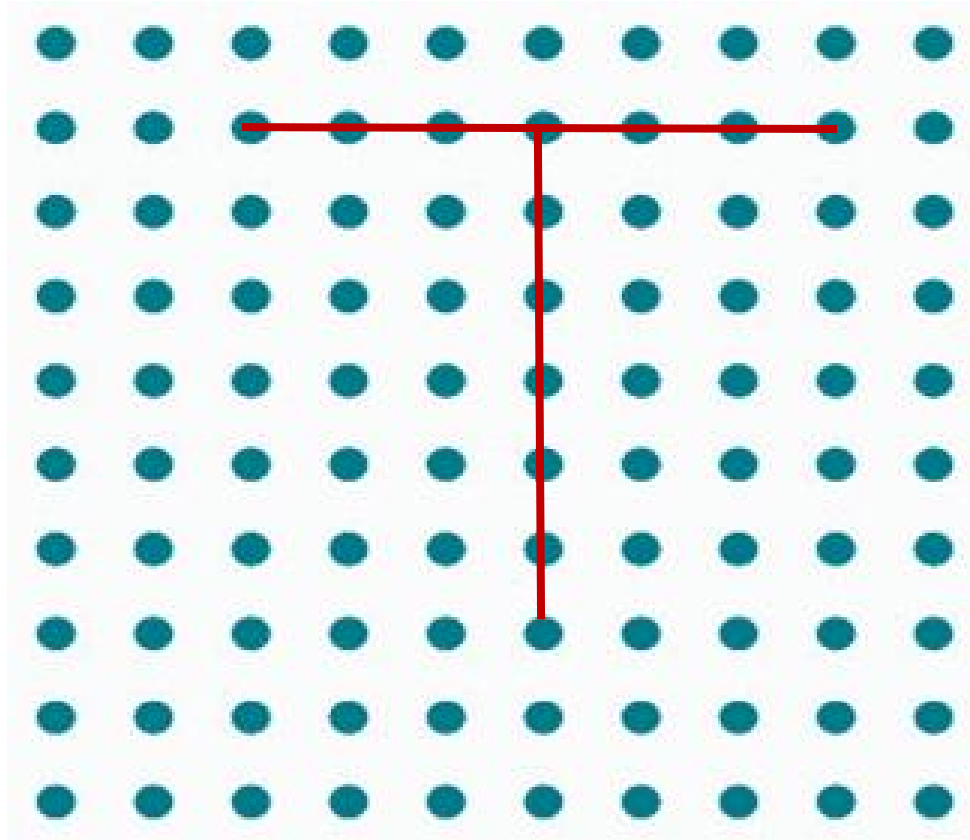
(e) letter S



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(f) letter T



GEOMETRY

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(a) a rectangle

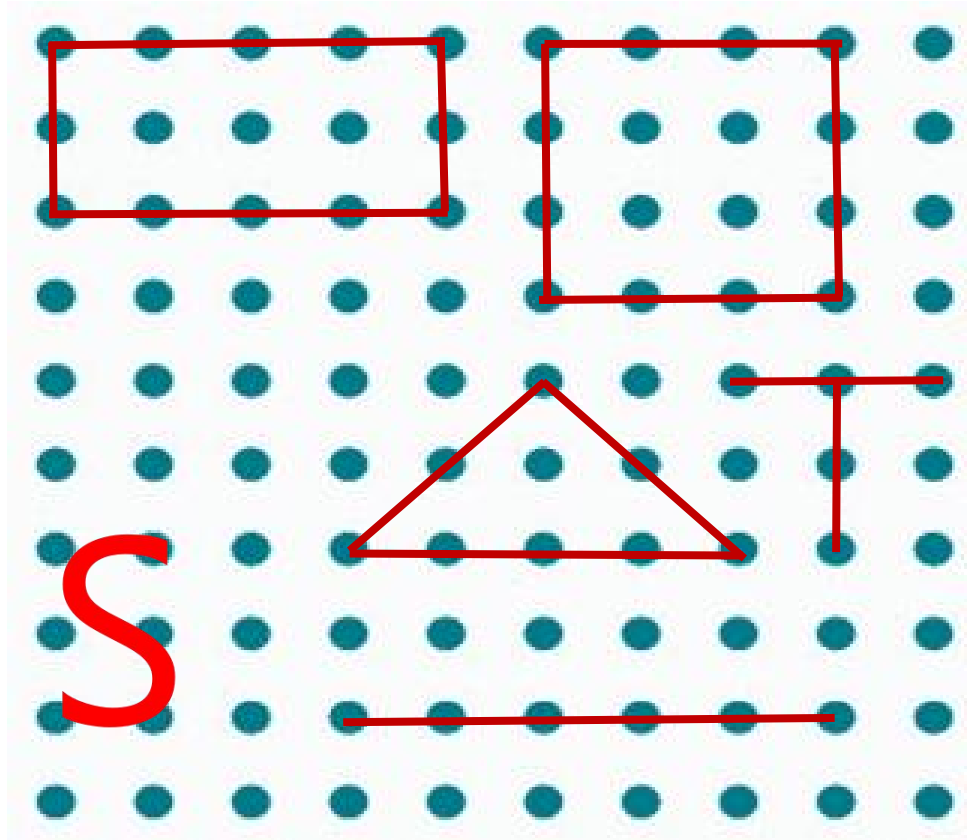
(b) a square

(c) a straight line

(d) a triangle

(e) letter S

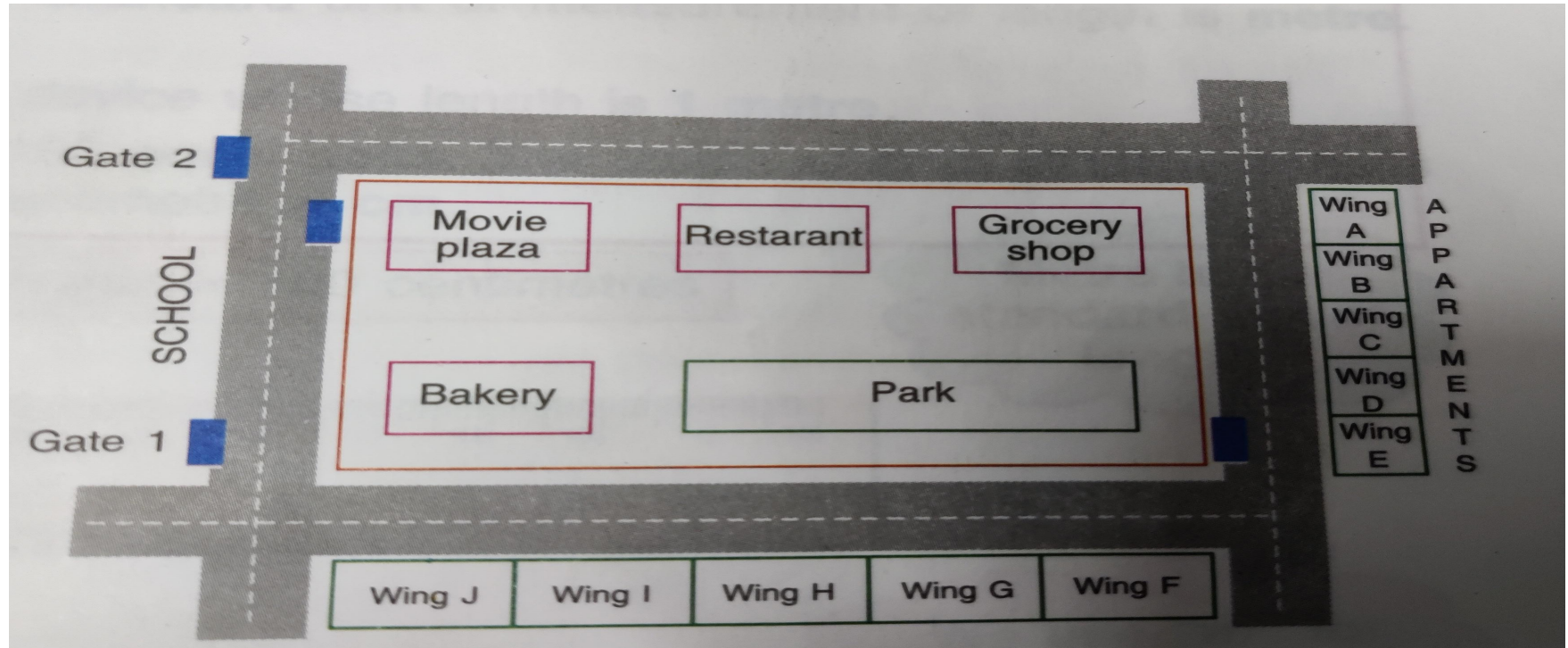
(f) letter T



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DOT GRID, MAP READING

2) Study the map given alongside and answer the following questions.



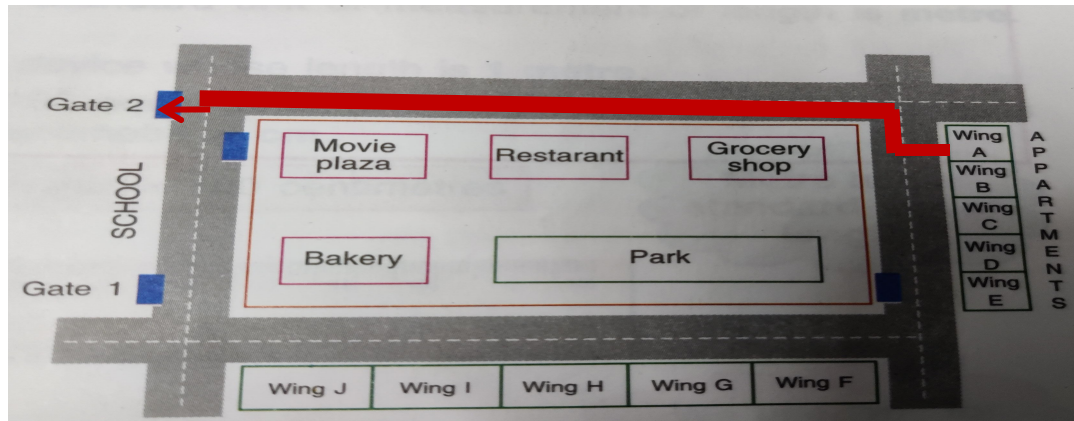
GEOMETRY

DOT GRID, MAP READING

a) Apartments of which wing are the closest to the school?

Ans) Wing J

b) Rahul lives in wing A of the apartments. Mark the shortest route for him if he wants to go to the school?



Ans) Rahul should pass the grocery shop, restaurant and movie plaza to enter the school from Gate 2.

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DOT GRID, MAP READING

c) Which landmark will be the nearest to Rahul?

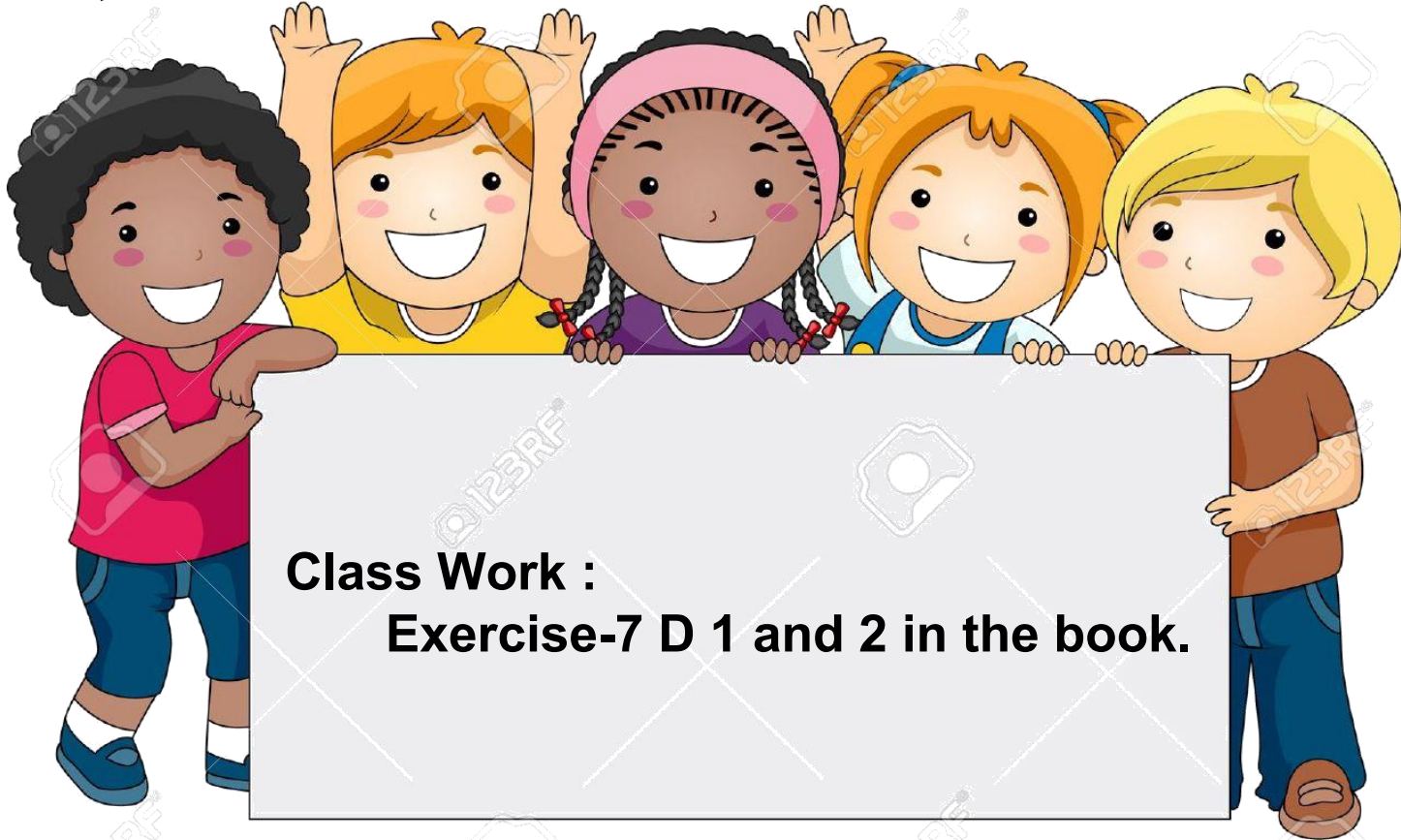
Ans) Grocery shop

d) Vinaya lives in wing J of the apartments. Which is the landmark that she should cross if she wants to enter the school from gate 1?

Ans) Bakery

GEOMETRY

DOT GRID, MAP READING



LEARNING OUTCOME:

Children are confident to identify the parts of a map. Explain the function or purpose of each part of the map. Create their own functional map. Describe their geographic location in different ways.

THANKING YOU
ODM EDUCATIONAL GROUP