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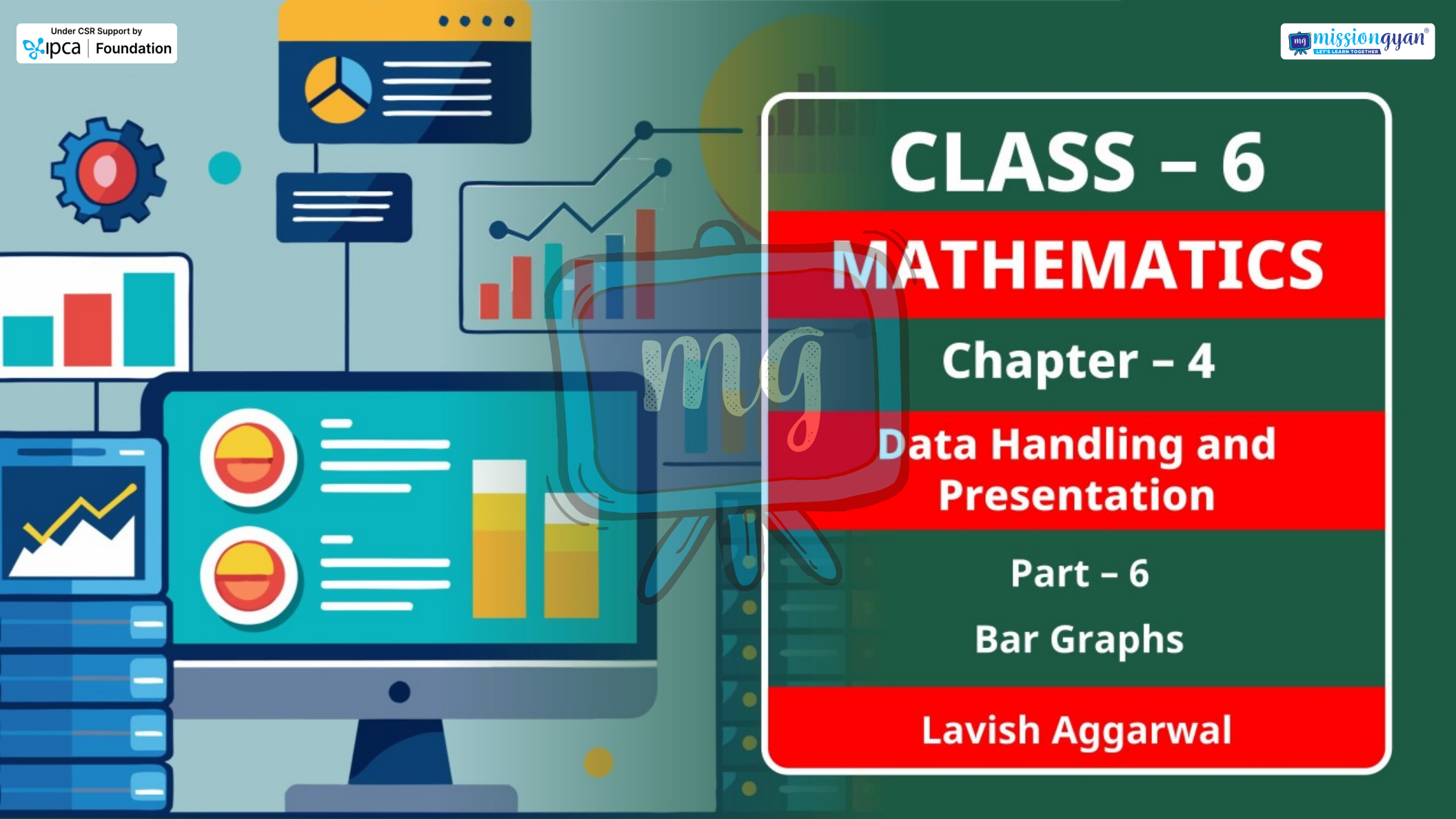

CLASS – 6

MATHEMATICS

Chapter – 4

Data Handling and Presentation

Part – 6

Bar Graphs

Lavish Aggarwal

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OVERVIEW

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1. Collecting and Organising Data
2. Pictographs
3. Bar Graphs
4. Infographics

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BAR GRAPHS

Like pictographs, such bar graphs can help us to quickly understand and interpret information, such as the highest value, the comparison of values of different categories, etc. However, when the amount of data is large, presenting it by a pictograph is not only time consuming but at times difficult too.

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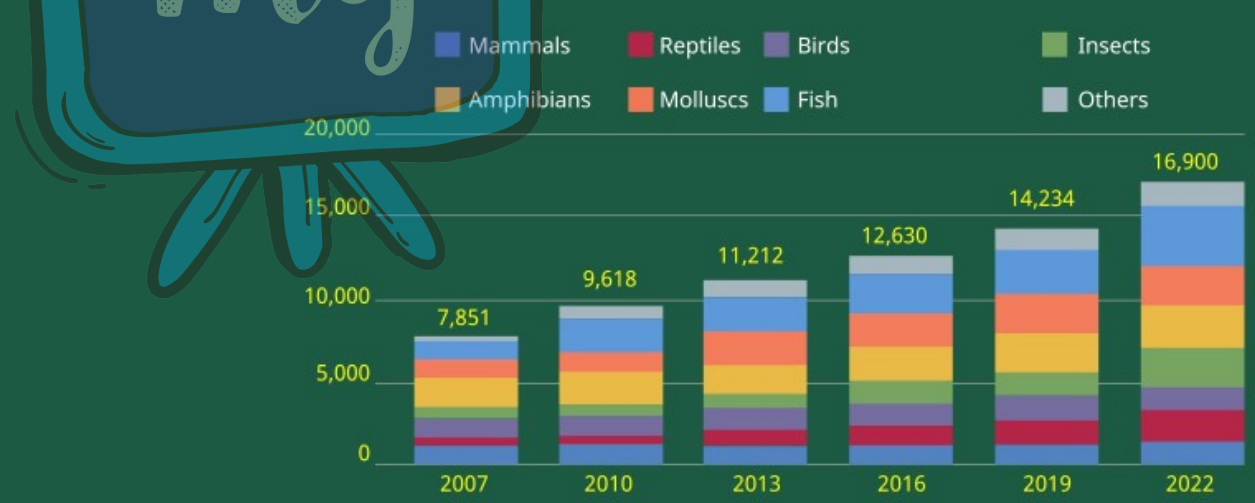
Example :

- Species is Rising
- Number of animal species on the IUCN Red List, by class



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Example :

Let's take the data collected by Lakhanpal earlier, regarding the number of students absent on one day in each class:

Classes	I	II	III	IV	V	VI	VII	VIII
Number of Students	3	5	4	2	0	1	5	7

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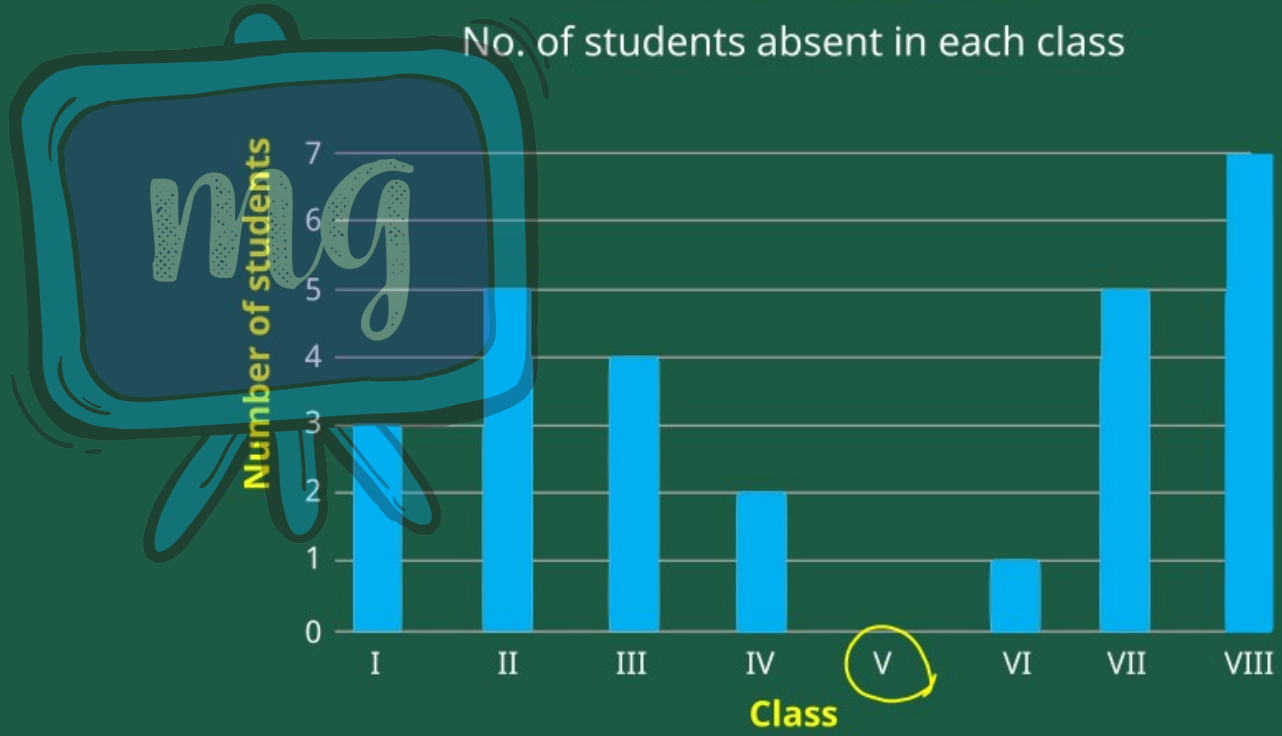
1 Unit length = 1 Student

No. of students absent in each class



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Try it:

Answer the following questions using the bar graph:

1. In Class 2, ..5.... students were absent that day.
2. In which class were the maximum number of students absent? ..8th class..
3. Which class had full attendance that day? ..5th class..

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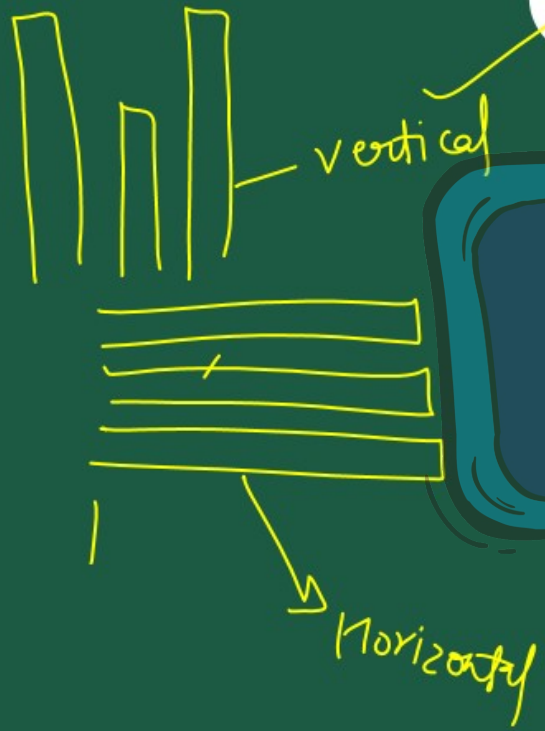

Note

When making bar graphs, bars of uniform width can be drawn horizontally or vertically with equal spacing between them; then the length or height of each bar represents the given number. As we saw in pictograph, we can use a scale or key when the frequencies are larger.

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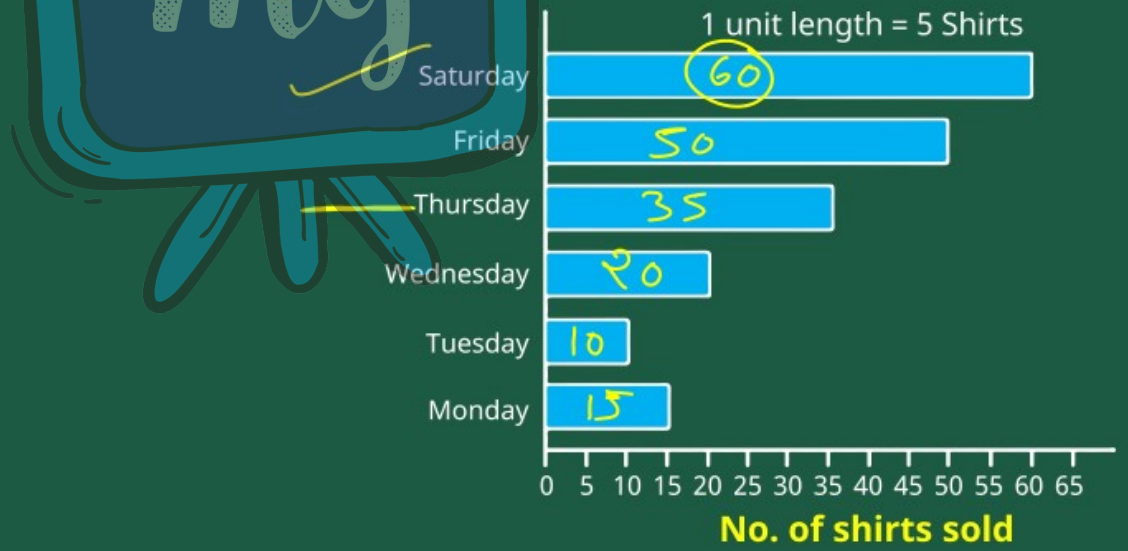
Example :

Observe this bar graph which is showing the sale of shirts in a ready made shop from Monday to Saturday.



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Now answer the following questions:

(a) What information does the above bar graph give?

Ans: Number of shirts sold in a ready made shop.

(b) What is the scale chosen on the horizontal line representing number of shirts?

Ans: 1 unit = 5 shirts.

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(c) On which day were the maximum number of shirts sold? How many shirts were sold on that day?

Ans: Saturday = 60 shirts.

(d) On which day were the minimum number of shirts sold?

Ans: Tuesday.

(e) How many shirts were sold on Thursday? 35 shirts.

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LEARNING OUTCOME

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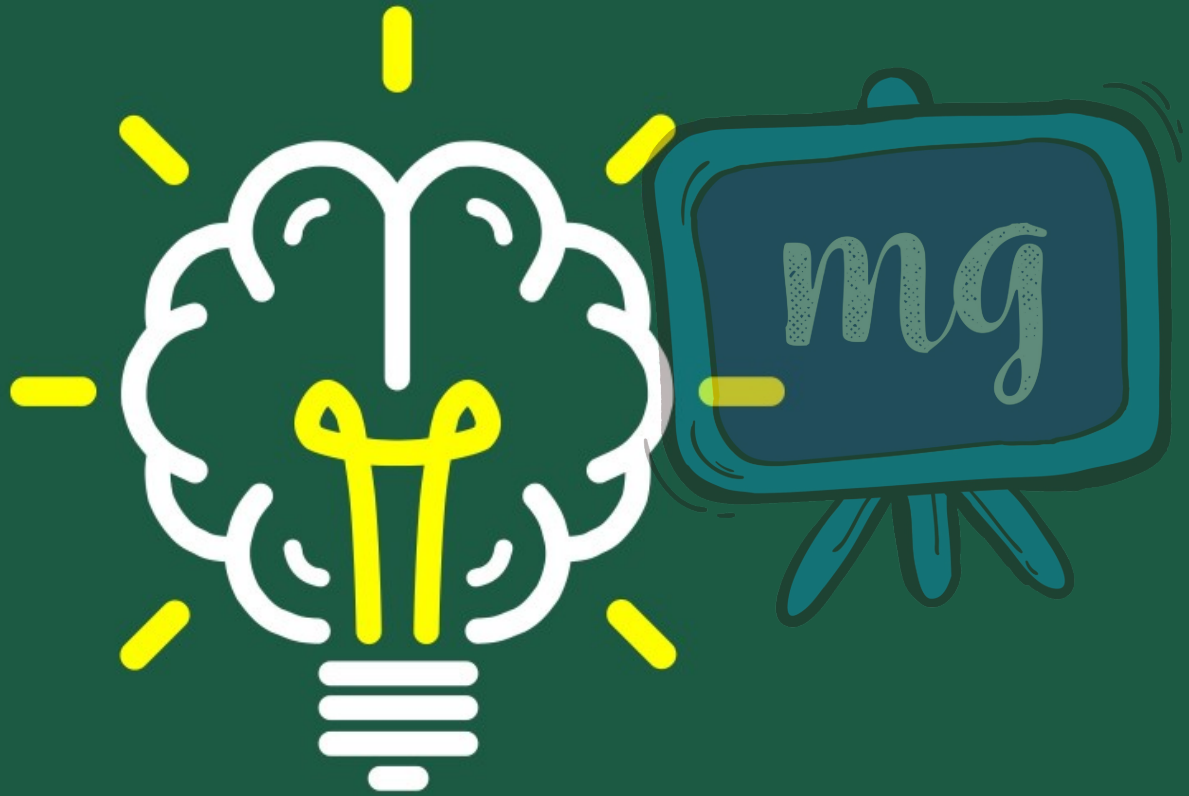

Bar Graphs

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ASSESSMENT

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1 Can we tell the frequency by looking at the bar graph?

