



Data handling

What is data ??

A collection of facts, such as numbers, words, measurements, observations or even just descriptions of things.

For eg my age is 8 years

I ate 2 ice creams

4 of my friends are from Delhi

All of them is data!!!

Why we need to organize data ?

1. Organizing data helps to make better conclusions

2. we can read an organized data easily

Ways to represent data

- o Data can be represented in various ways as for now we will be focusing on
- o Pictograph
- o Bargraph

Pictograph

- Pictograph uses pictures or symbols to represent the data

Favorite Fruit

fruit	votes
	         
	      
	 
	     

1 vote = 

Do you know ??

Some times 1 picture or 1 symbol can represent more than one

Like in this

Favorite Colors	
red	     
blue	      
green	     
purple	        
Key  = 2 students	

Observe and try

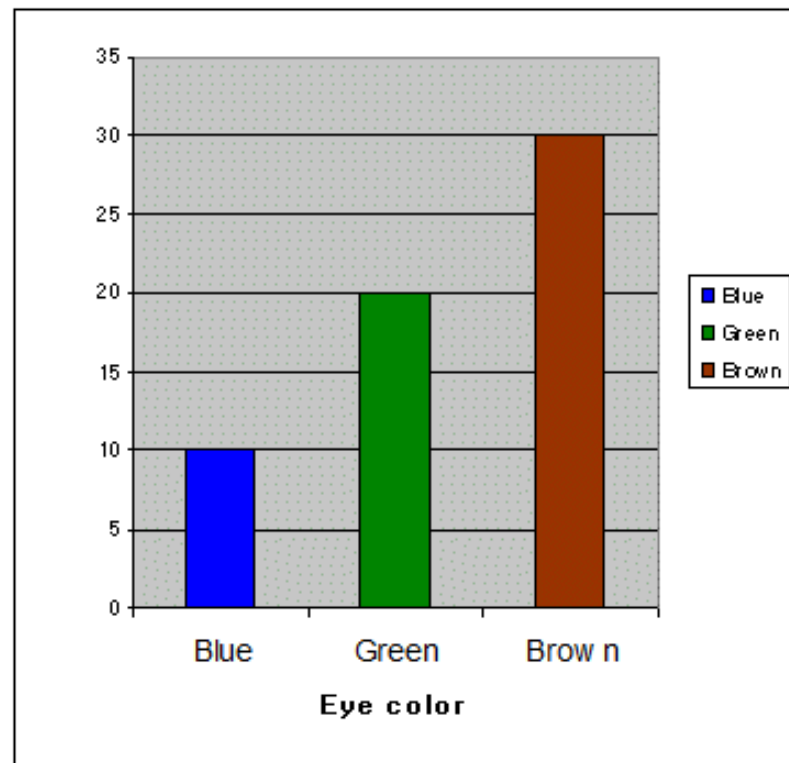
Modes	School-going children
Auto-rickshaw	     
Car	   
Bicycle	      
Bus	         
On foot	  

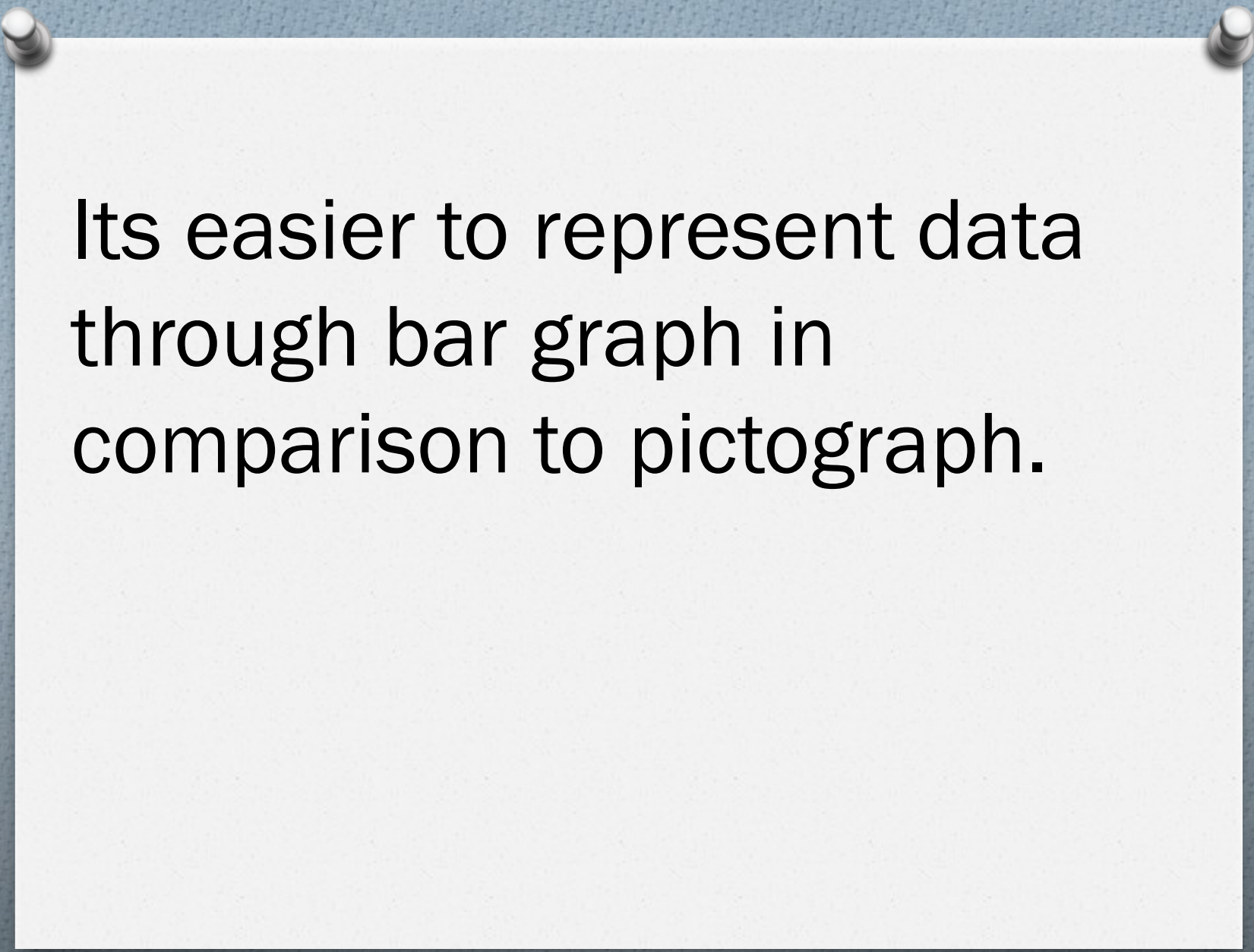
Can you tell me ??

- o How many students go by car ?
- o How many students go by auto rickshaw?
- o Which mode is most popular in school going kids ??

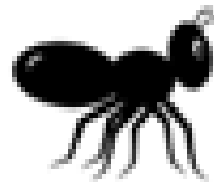
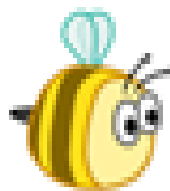
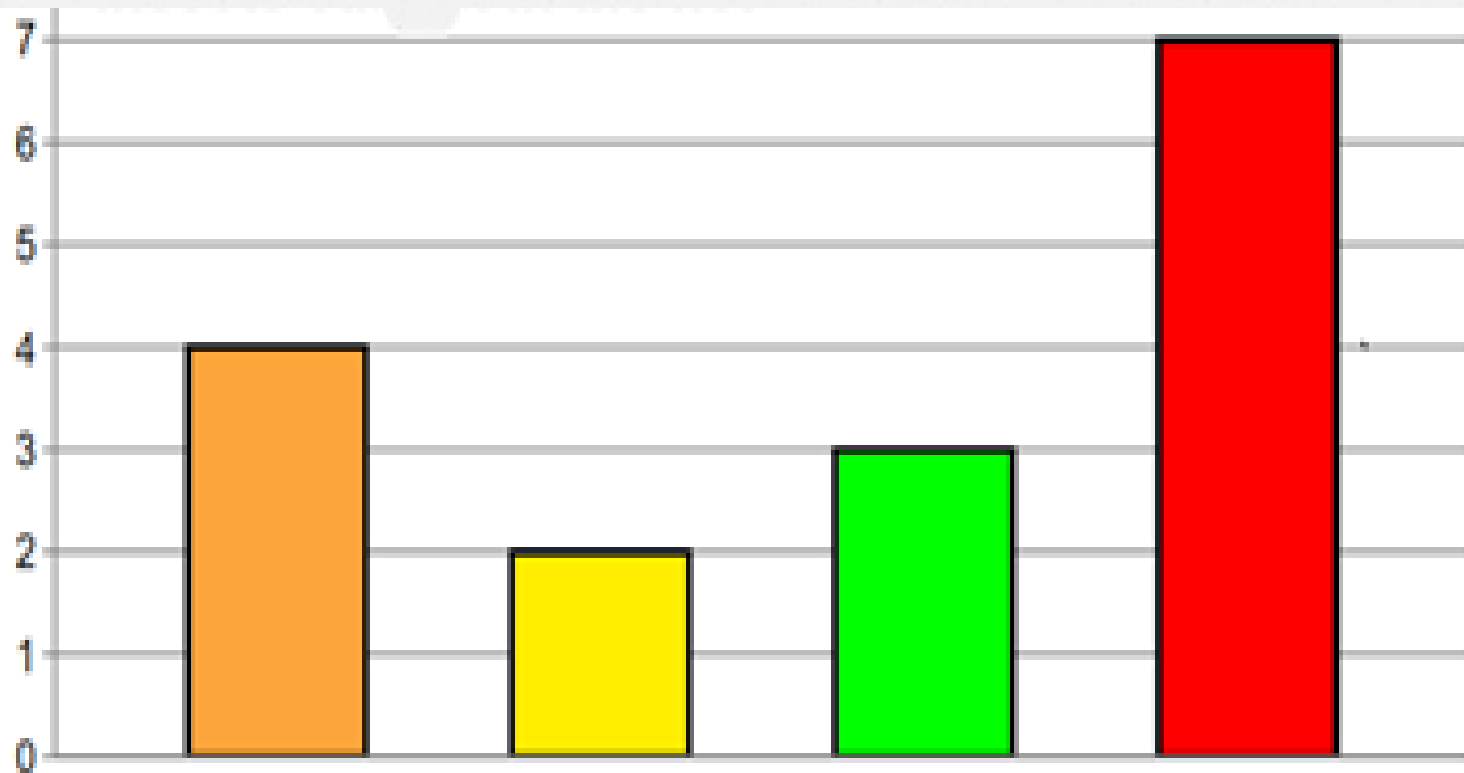
Bar graph

In bar graph instead of pictures data is shown with the help of rectangular bars. Like this



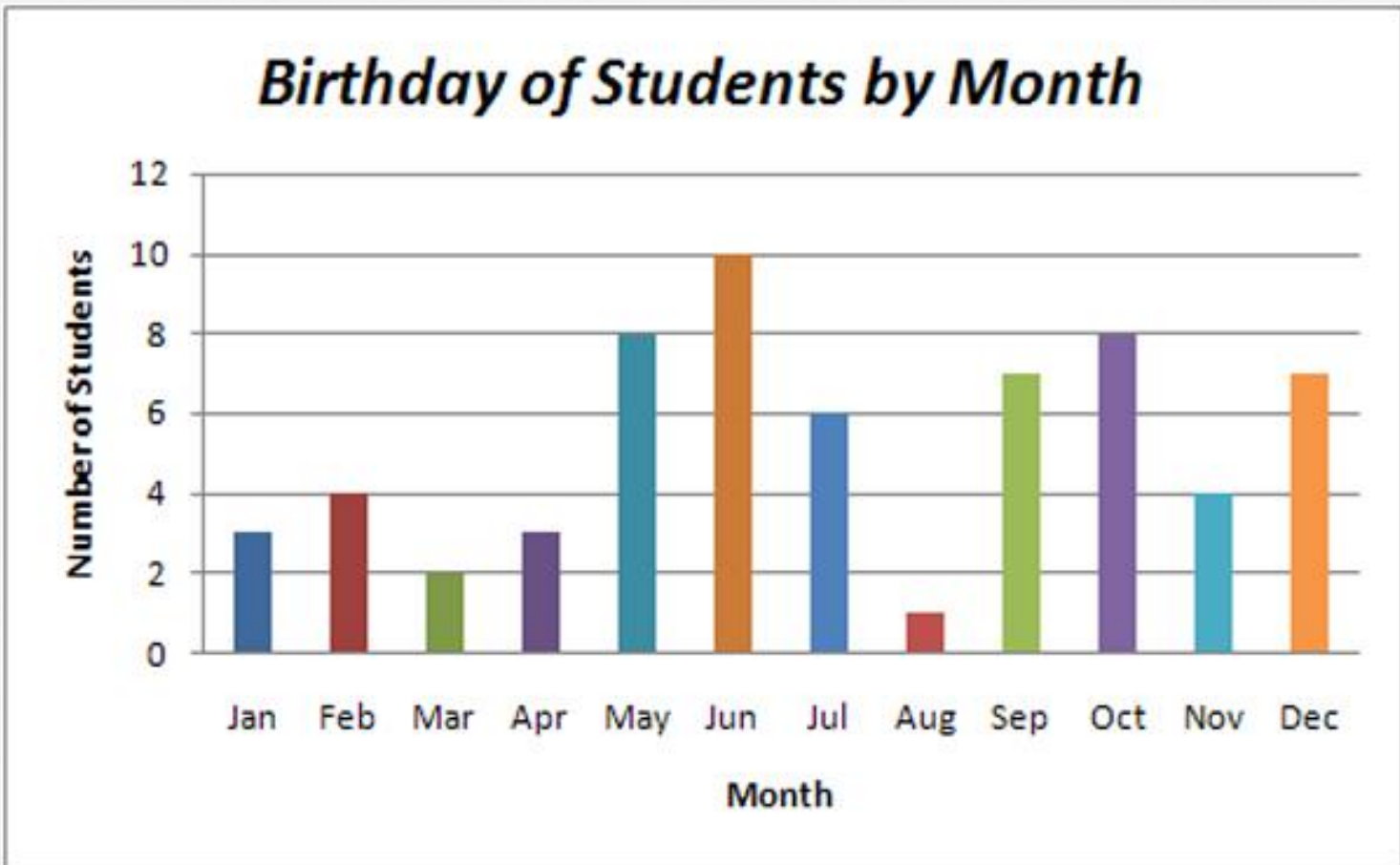


Its easier to represent data
through bar graph in
comparison to pictograph.



Which insect was caught the most? _____

Observe and try



Can you tell me ??

- o How many kids have birthday in month of july ?
- o In which month there are least birthdays ?
- o Which two months has same number of birthdays??