CHAPTER 13 – SMART CHARTS

- **INTRODUCTION TO PICTOGRAPH**
- **MATHS COPY 1**
- **DATE : 18 / 01 / 2022**

What is Pictograph?

In mathematics,

- **a pictograph, also known as a pictogram, is the pictorial representation of data using images, icons, or symbols.**
- **We can represent the frequency of data while using symbols or images that are relevant using a pictograph.**
- **Pictographs are one of the simplest ways of representing data.**

How Pictograph is useful ?

Pictographs are widely used in maths. There are several advantages to using pictographs in maths. These are some of the advantages.

- They can be used primarily for making early learners associate objects with numbers.
- They make data visually interesting and easy to understand.
- Representing data pictographic way can be useful for representing a large amount of data.

Example 1 : The table below is in the form of a pictorial graph. It shows the number of apples of different varieties (in Kilogram) being sold at a store in a given month.

Variety	Amount of Apples sold (in Kg)
Fuji	
Kiku	
Golden delicious	
Red delicious	
Ambrosia	
Key :  Represents 4 Kg	

Based on the pictograph, answer the following questions.

(a) Which variety of apple is the best seller?

(b) How many more kilograms of Fuji apples were sold compared to Ambrosia?

(c) What is the total quantity of apples sold by the store?

** 1 full apple = 4 kg
** 1 half apple = 2 kg

Solution:

(a) Red Delicious is the best seller.

(b) Quantity of Fuji = 3 × 4 = 12 kg

Quantity of Ambrosia = 2 x 4 + 1 x 2 = 8 + 2 = 10 kg

Difference = 12 - 10 = 2 kg

(c) Total quantity of apples sold by the store = 15 × 4 + 2 x 2 = 60 + 4 = 64 kg.

Example 2: The following table shows information about the modes of transport used by students to commute to school.

Mode of transport	Number of students
Bus	
Car	
Walking	
Bycycle	
Key :  Represents 4 children	

Answer the following questions based on the information given above.

1. How many students commute by car?
2. Which is the most commonly used mode of transport?
3. Which is the least preferred mode to reach school?

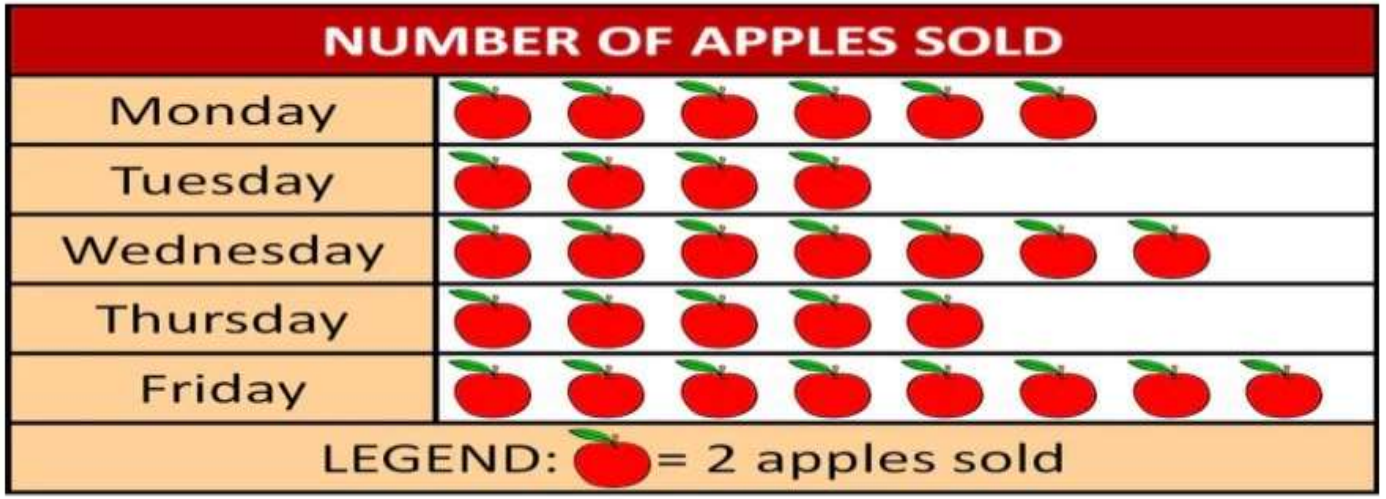
Solution:

Answer 1: No. of students who commute by car = 4 × 4 = 16.

Answer 2: The bus is the most commonly used mode of transport.

Answer 3: The least preferred mode to reach school is a bicycle.

Example 3: The following table shows information about the apples Miriam sold the following week.



Answer the following questions based on the information given above.

1.How many apples did Miriam sell on Monday?
2.How many apples did she sell on Wednesday?
3.How many apples did she sell the entire week?

Solution :

Answer 1) No. of apples Miriam sold on Monday = 6 x 2 = 12

Answer 2) No. of apples Miriam sold on Wednesday = 7 x 2 = 14

Answer 3) Total no. of apple Miriam sold the entire week = 30 x 2 = 60

THANK YOU