



Grade 6

Mathematics

Unit : 22 – Data Collection  
and Representation

- Answer all questions.

(1) The number of vehicles that arrive on a normal day during an hour is given below.

Type of vehicle	Tally marks	No. of vehicles
Van		8
Lorry		.....
Car		.....
Bus	.....	13
Bicycle	.....	5
Other		.....

- Copy the above table and fill in the blanks.
- Which type of vehicle arrives most?
- Which type of vehicle arrives least?
- Find the total number of vehicles arrive during the hour.

(2) The number of students that attended during a week is given in the following table. Draw a picture graph to represent the number of students using a suitable symbol.

Day	No. of students
Monday	36
Tuesday	40
Wednesday	44
Thursday	32
Friday	28

- (3) The length of the shoes taken from 40 students is given below.

20 21 20 21 22 23 20 24 23 21  
 21 20 21 24 21 21 25 21 23 23  
 22 21 23 25 22 24 21 22 22 21  
 22 21 22 24 20 21 24 21 21 24

Include the above data in the following table.

Length of a shoe (cm)	Tally marks	Number
20		
21		
22		
23		
24		
25		

- (4) Draw a picture graph to represent the following data.

Fruits	Number
Pineapples	80
Mangoes	75
Wood apples	85
Grapes	60
Papaws	70

- (5) Answer the following questions using the picture graph.

Monday	○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○
Tuesday	○ ○ ○ ○ ○ ○ ○ ○ ○ ○
Wednesday	○ ○ ○ ○
Thursday	○ ○ ○ ○ ○ ○ ○ ○
Friday	○ ○ ○ ○ ○ ○ ○ ○ ○ ○

100 bottles of jam are represented by the symbol ○ .

- How many bottles of jam were produced on Monday?
- When is the least number of bottles of jam were produced?
- What is the total number of bottles of jam were produced?

Prepared by Ms. T. R. N. Niwanthie