



QUANTITATIVE ABILITY II

Line chart & Tables chart.

Example: The table shows the number of mobile phones that were sold by the showroom from the year 2010 to 2014. Answer the below questions based on the information given in the table.

Years	A	B	Total
2010	183	123	306
2011	178	272	450
2012	133	160	293
2013	260	106	366
2014	279	272	551

Questions:

1. In the year 2012, how many mobiles were sold?

Sol.: $2012 = 133 + 160 = 293$ phones were sold.

2. In the year 2010, showroom 'A' has sold ___ phones.

Sol.: 183.

3. What was the total phones sold together from 2010 to 2012?

Sol.: $306 + 450 + 293 = 1049$

4. How many showrooms are there?

Sol.: Two.

5. Total number of mobile phones that were sold by 'B'?

Sol.: $123 + 272 + 160 + 106 + 272 = 933$

Line graph: A line graph is a type of chart used to show information that changes over time. We plot line graphs using several points connected by straight lines. It is also called a line chart. The line graphs comprise two axes known as the 'x'-axis and 'y'-axis.

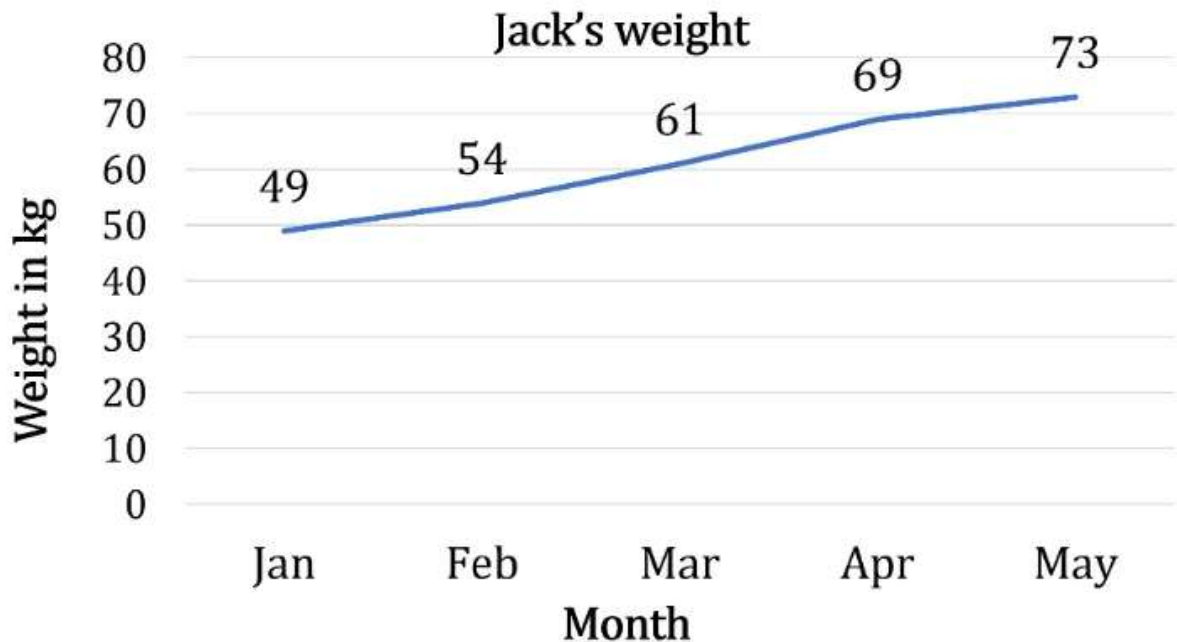
- The horizontal axis is known as the x-axis.
- The vertical axis is known as the y-axis.

Example: The table shows Jack's weight in kilograms for 5 months.

Jack's Weight

Month	Jan	Feb	Mar	Apr	May
Weight in kg	49	54	61	69	73

The data from the table above has been represented in the graph below.



Questions:

1. What is the title of this graph?

Sol.: Jack's weight.

2. What is the range of values on the horizontal scale?

Sol.: January to May.

3. What Is the range of values on the vertical scale?

Sol.: 0 to 80.

4. How many points are in the graph?

Sol.: 5.

5. What was the highest value recorded?

Sol.: 73 kg.

6. What was the lowest value recorded?

Sol.: 49 kg.

7. Did Jack's weight increase or decrease over time?

Sol.: Increased.

Exercise:

A. The table shows the number of students who have traveled on bus and train.

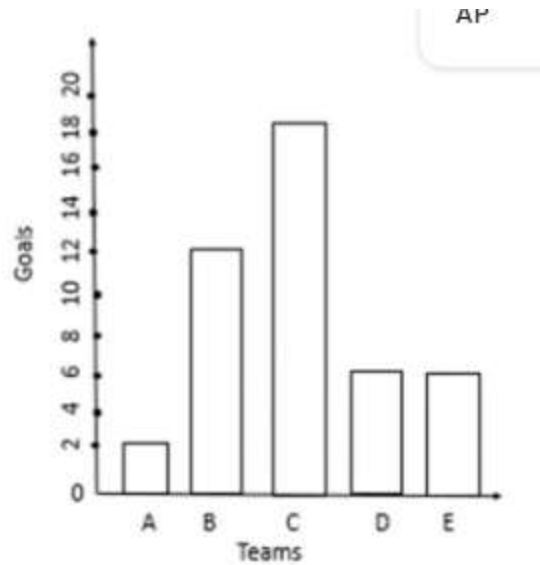
	Bus	Train
Girls	7	14
Boys	8	5

1. How many more boys traveled on the bus than girls?

1. How many girls traveled by bus and train?

2. What is the total number of students who have traveled on the train?

- The graph shows the number of football goals scored by teams. Read the graph to answer questions.



Goals scored by teams

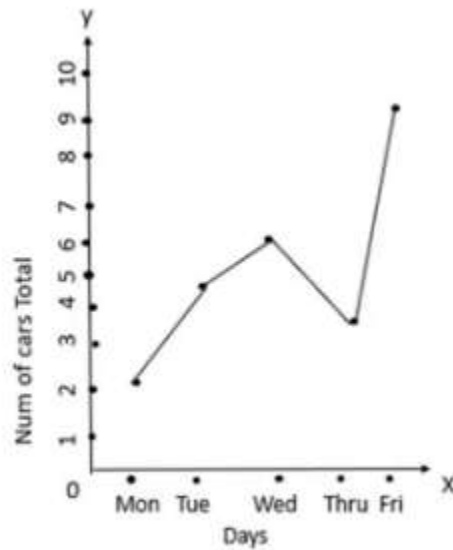
1. Which team scored the highest number of goals?
 1. What is the difference between the number of goals scored by team C and E?
 2. How many times has team C scored more than Team D?

A. The table shows the number of books borrowed from the school library. Read the table to answer the questions.

Number of borrowed books	
Monday	13
Tuesday	5
Wednesday	2
Thursday	18
Friday	25

1. How many books were borrowed on Monday and Wednesday?
 1. On which day the number of books borrowed was 5 times more than Tuesday?
 2. What is the difference between the highest and the lowest number of borrowed books?
 3. On how many days were more than 15 books borrowed?
 4. On which day the number of books was 9 times more than Wednesday?
- The graph below shows the number of cars sold in five days. Study the graph and answer the questions.

Weekly Car Sales



1. How many cars were sold in all days?
 1. How many cars were sold on Wednesday?
 2. Which day had the minimum sales of cars?
 3. How many more cars were sold on Tuesday than on Monday?