

Date	Region	Product	Sales	Quantity
2024-01-01 00:00:00	West	Mangoes	456	93
2024-01-10 12:37:54	South	Oranges	348	56
2024-01-20 01:15:47	South	Mangoes	247	76
2024-01-29 13:53:41	West	Apples	230	37
2024-02-08 02:31:35	West	Mangoes	281	50
2024-02-17 15:09:28	West	Oranges	334	52
2024-02-27 03:47:22	South	Apples	417	29
2024-03-07 16:25:16	West	Apples	441	44
2024-03-17 05:03:09	South	Mangoes	76	63
2024-03-26 17:41:03	West	Oranges	441	79
2024-04-05 06:18:57	South	Mangoes	205	23
2024-04-14 18:56:51	West	Oranges	483	97
2024-04-24 07:34:44	East	Mangoes	467	97
2024-05-03 20:12:38	West	Mangoes	380	92
2024-05-13 08:50:32	South	Oranges	497	71
2024-05-22 21:28:25	South	Mangoes	409	81
2024-06-01 10:06:19	West	Oranges	53	45
2024-06-10 22:44:13	West	Apples	398	33
2024-06-20 11:22:06	North	Oranges	347	35
2024-06-30 00:00:00	South	Apples	319	45

***QUESTION 1- What is the purpose of a PivotTable in Excel?***

***ANSWER- A PivotTable quickly summarizes large data so you can analyze totals, trends, comparisons without manually calculating anything.***

***QUESTION 2-***

Row Labels	Sum of Sales
East	467
North	347
South	2518
West	3497
<b>Grand Total</b>	<b>6829</b>

### QUESTION 3-

Date	Region	Product	Sales	Quantity
2024-01-01 00:00:00	West	Mangoes	456	93
2024-01-10 12:37:54	South	Oranges	348	56
2024-01-20 01:15:47	South	Mangoes	247	76
2024-01-29 13:53:41	West	Apples	230	37
2024-02-08 02:31:35	West	Mangoes	281	50
2024-02-17 15:09:28	West	Oranges	334	52
2024-02-27 03:47:22	South	Apples	417	29
2024-03-07 16:25:16	West	Apples	441	44
2024-03-17 05:03:09	South	Mangoes	76	63
2024-03-26 17:41:03	West	Oranges	441	79
2024-04-05 06:18:57	South	Mangoes	205	23
2024-04-14 18:56:51	West	Oranges	483	97
2024-04-24 07:34:44	East	Mangoes	467	97
2024-05-03 20:12:38	West	Mangoes	380	92
2024-05-13 08:50:32	South	Oranges	497	71
2024-05-22 21:28:25	South	Mangoes	409	81
2024-06-01 10:06:19	West	Oranges	53	45
2024-06-10 22:44:13	West	Apples	398	33
2024-06-20 11:22:06	North	Oranges	347	35
2024-06-30 00:00:00	South	Apples	319	45

**QUESTION 4-** Explain the difference between Sorting and Filterring with an example from this dataset.

**ANSWER-**

**Sorting:** Rearrange data (A to Z, largest to smallest).

**Filtering:** Shows only the rows that match conditions (example: show only Mango sales or only South region).

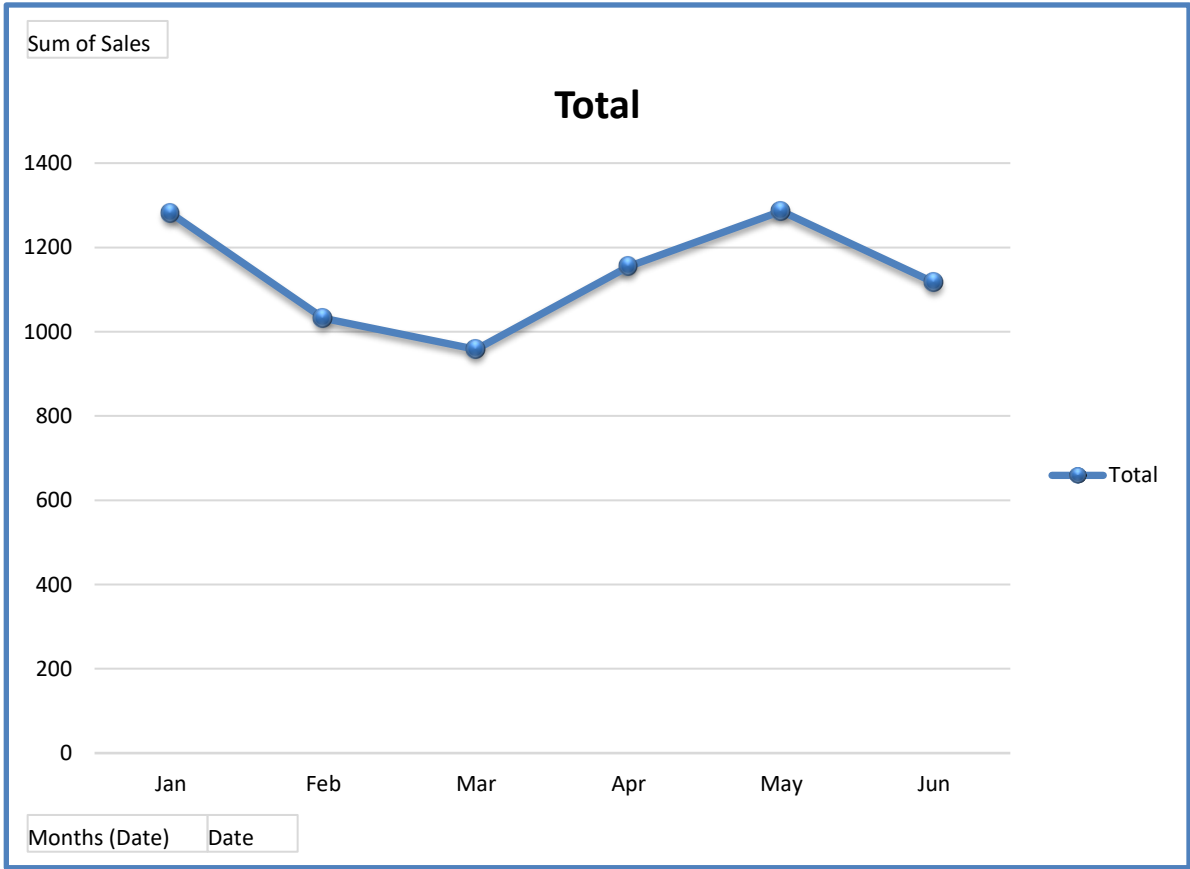
**Example from the data:**

^ **Sorting:** Sort Sales column from highest to lowest.

^ **Filtering:** Filter Product = Apples to show only apple rows.

QUESTION 5-

Row Labels	Sum of Sales
Jan	1281
Feb	1032
Mar	958
Apr	1155
May	1286
Jun	1117
Grand Total	6829



**QUESTION 6-**

Row Labels	Sum of Sales
<b>Group1</b>	<b>4308</b>
<b>Apples</b>	<b>1805</b>
Jan	230
Feb	417
Mar	441
Jun	717
<b>Oranges</b>	<b>2503</b>
Jan	348
Feb	334
Mar	441
Apr	483
May	497
Jun	400
<b>GROUP2</b>	<b>2521</b>
<b>Mangoes</b>	<b>2521</b>
Jan	703
Feb	281
Mar	76
Apr	672
May	789
<b>Grand Total</b>	<b>6829</b>

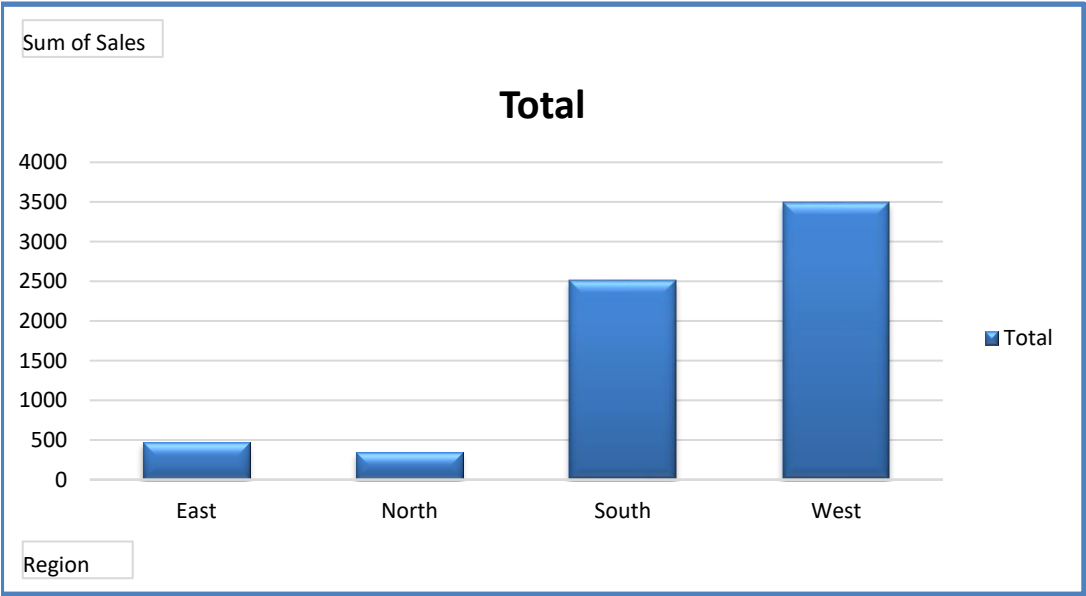
<b>Product</b>
Apples
Mangoes
Oranges

**QUIESTION 7- Why are Dashboards important for decision-making in business analysis?**

**ANSWER-** Dashboards give a quick, visual summary of key metrics so managers can make faster decisions without reading long tables.

QUESTION 8-

Row Labels	Sum of Sales
East	467
North	347
South	2518
West	3497
Grand Total	6829

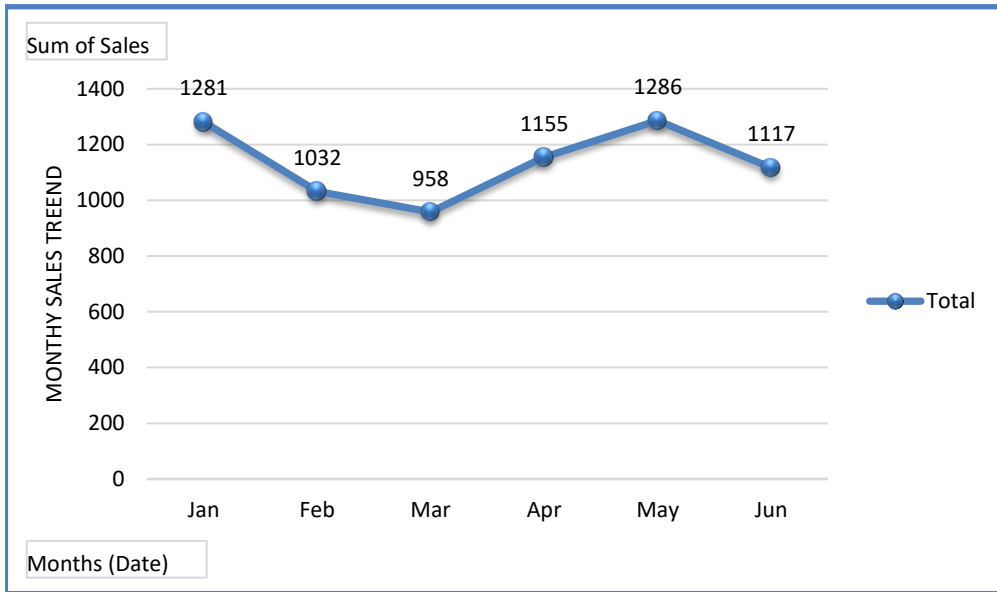


Row Labels	Sum of Sales
East	467
North	347
South	2518
West	3497
Grand Total	6829

Product
Apples
Mangoes
Oranges

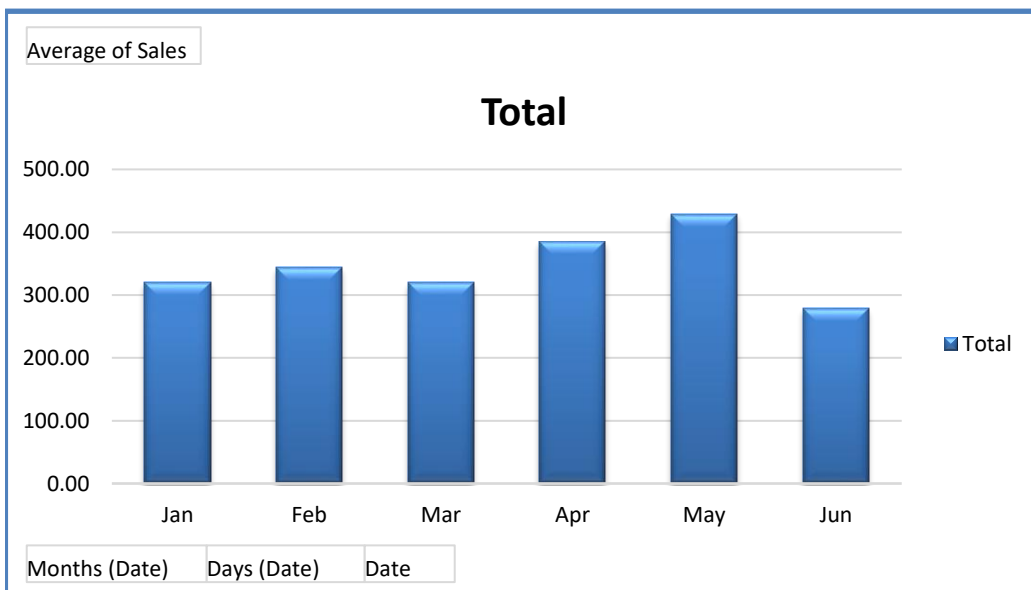
Region
East
North
South
West

Row Labels	Sum of Sales
Jan	1281
Feb	1032
Mar	958
Apr	1155
May	1286
Jun	1117
Grand Total	6829



### QUESTION 9-

Row Labels	Average of Sales
Jan	320.25
Feb	344.00
Mar	319.33
Apr	385.00
May	428.67
Jun	279.25
Grand Total	341.45



**QUESTION 10-**

Row Labels	Sum of Sales
<b>FRUITS</b>	<b>4308</b>
Apples	1805
Oranges	2503
<b>Mangoes</b>	<b>2521</b>
Mangoes	2521
<b>Grand Total</b>	<b>6829</b>