Microsoft

77-727

Excel 2016: Core Data Analysis, Manipulation, and Presentation

QUESTION & ANSWERS

Question: 1

SIMULATION
Project 5 of 7: City Sports
Overview
The city events manager wants to analyze the enrollment changes over the past five years for various adult and youth sports programs. You have been tasked to prepare tables for the analysis.

Sport	Year 1	Year 2	Year 3	Year 4	Year 5	Total	Growth Trend
5K Run	35	45	64	77	105	325	
Basketball	80	100	100	110	120	510	
Bowling	16	24	32	28	24	124	
Cycling	10	23	43	33	59	168	
Flag Football	120	160	160	200	200	840	
Lacrosse	80	120	120	120	120	560	
Soccer	160	160	160	160	160	800	
Softball	150	160	160	170	180	820	
Swimming	23	30	35	40	43	171	
Tennis	40	40	50	50	60	240	

Add the Alternative Text Title "Adult Enrollment" to the "Adult_Program" table.

A. 1. Right-click the text title "Adult_Program" and click Format Object then click Alt Text.
2. Type "Adult Enrollment" in the Title box as desired.
3. Click OK.
B. 1. Right-click the text title "Adult_Program" and click Format Object then click Tab Text.
2. Type "Adult Enrollment" in the Title box as desired.
3. Click OK.

Answer: A

Explanation:
References:
https://support.office.com/en-us/article/add-alternative-text-to-a-shape-picture-chart-smartart-graphic-or-other-object-44989b2a-903c-4d9a-b742-6a75b451c669#bkmk_o2016_2013

Question: 2

SIMULATION
Project 6 of 7: Bike Tours
Overview

You are the owner of a small bicycle tour company summarizing trail rides that have been booked for the next six months.

	A	B	C	D	E	F	G	H	I
6	Bike Tour	Month	Customer	Firstname	Lastname	Length	Group Size	Per Person	Total
7	Casual Biker Inn Tour	July		Toby	Nixon	4-Day/3-N	11	$600.00	$6,600.00
8	Casual Biker Inn Tour	August		Sabina	Schuetz	4-Day/3-N	2	$600.00	$1,200.00
9	Casual Biker Inn Tour	September		Mindy	Martin	4-Day/3-N	4	$600.00	$2,400.00
10	Gully Wash Loop	July		Lee	Oliver	1/2 Day	5	$75.00	$375.00
11	Gully Wash Loop	August		Katie	Jordan	1/2 Day	10	$75.00	$750.00
12	Gully Wash Loop	September		Kathie	Flood	1/2 Day	16	$75.00	$1,200.00
13	Kokopelli Trail	July		Julian	Isla	4-Day/3-N	15	$450.00	$6,750.00
14	Kokopelli Trail	August		Judy	Lew	4-Day/3-N	12	$450.00	$5,400.00
15	Kokopelli Trail	September		John	Peoples	4-Day/3-N	10	$450.00	$4,500.00
16	Raccoon Rim Trail	July		Iris	Rogers	1 Day	20	$110.00	$2,200.00
17	Raccoon Rim Trail	August		Holly	Dickson	1 Day	8	$110.00	$880.00
18	Raccoon Rim Trail	September		Gail	Erickson	1 Day	7	$110.00	$770.00
19	Slickrock Trail	July		Eric	Gruber	1/2 Day	40	$75.00	$3,000.00
20	Slickrock Trail	August		Debra	Core	1/2 Day	9	$75.00	$675.00
21	Slickrock Trail	September		Chris	Ashton	1/2 Day	21	$75.00	$1,575.00
22	White Pine Trail	July		Bradley	Beck	3-Day/2-N	15	$300.00	$4,500.00
23	White Pine Trail	August		Bonnie	Kearney	3-Day/2-N	6	$300.00	$1,800.00
24	White Pine Trail	September		Arlene	Huff	3-Day/2-N	12	$300.00	$3,600.00

In cell M9 on the "Summer Bookings" worksheet, insert a function that calculates the number of groups containing 12 or more people even if the order of the rows is changed.

A. 1. In cell M9, on the "Summer Bookings" worksheet, insert the following COUNTIF formula: "=COUNTIF(G8:G24, >= 11")"
B. 1. In cell M9, on the "Summer Bookings" worksheet, insert the following COUNTIF formula: "=COUNTIF(G6:G24, >= 12")"

Answer: B

Explanation:
References:
https://support.office.com/en-us/article/count-numbers-greater-than-or-less-than-a-number-453b0ccc-cfaa-4332-ad02-6e148e01aa0a
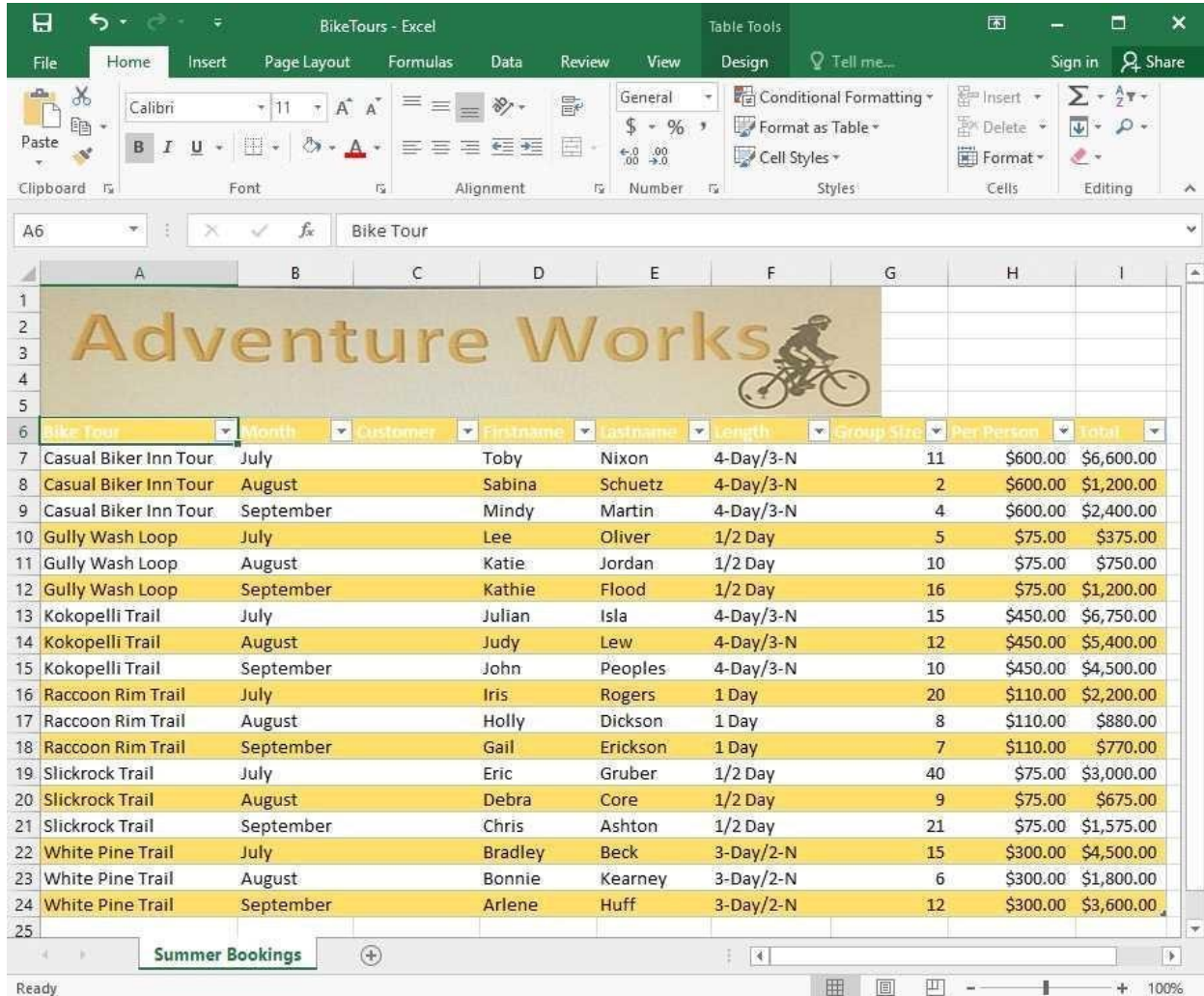
Question: 3

SIMULATION
Project 6 of 7: Bike Tours
Overview
You are the owner of a small bicycle tour company summarizing trail rides that have been booked for the next six months.

In cell M10 on the "Summer Bookings" worksheet, insert a function that calculates the total amount of sales from the "Total" column for groups containing 12 or more people even if the order of the rows is changed.

A. 1. In cell M10 on the "Summer Bookings", insert the following SUMIF formula:
"=SUMIF(G6:G24, ">= 12", I6:I24)."'
B. 1. In cell M16 on the "Summer Bookings", insert the following SUMIF formula:
"=SUMIF(G6:G24, ">= 12", I6:I24)."'

Answer: A

Explanation:
References:
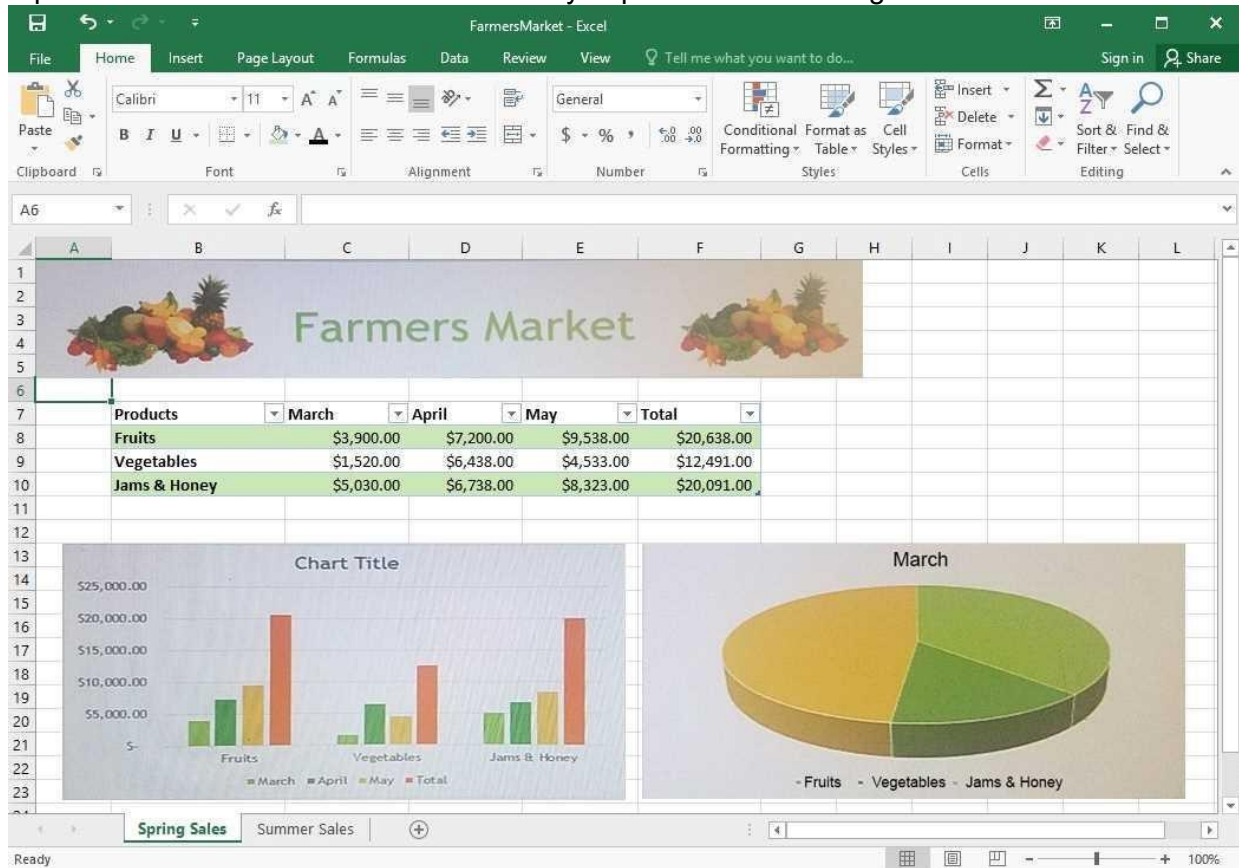https://support.office.com/en-us/article/SUMIF-function-169B8C99-C05C-4483-A712-

Question: 4
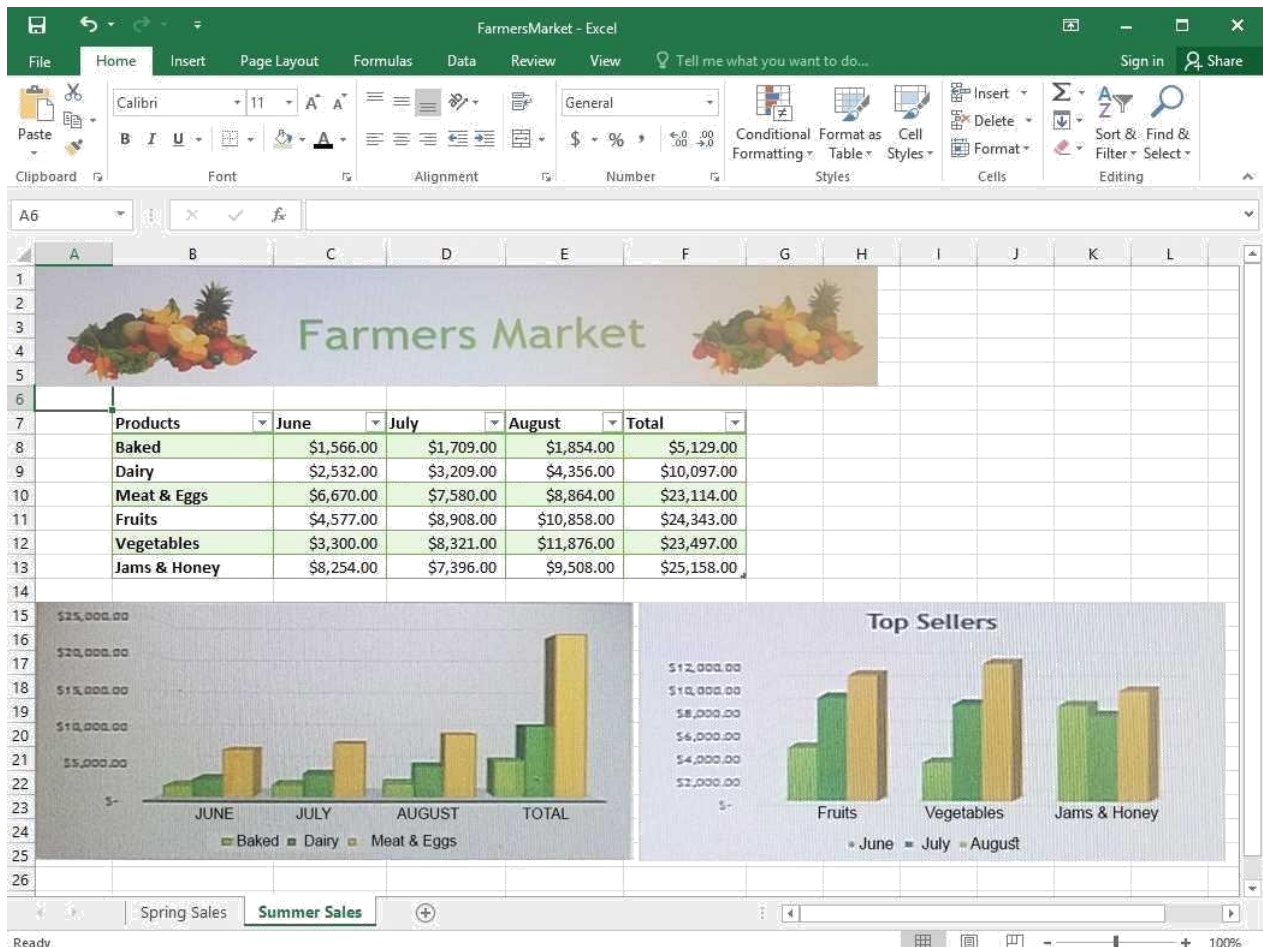
SIMULATION
Project 7 of 7: Farmers Market
Overview
You are the Director of a local farmers' market. You are creating and modifying charts for a report which shows the amounts and variety of products sold during the season.

On the "Summer Sales" worksheet, use the data in the "Products" and "Total" columns only to create
a 3-D Pie chart. Position the new chart to the right of the column charts.

A. 1. Select the data you would like to use, in this case it would be the data in the
"Products" and "Total" columns from the "Summer Sales" worksheet.
2. Click on Insert Pie Chart situation on the Insert tab then pick the 3-D Pie chart as desired.
3. Format the chart as desired by using Chart Elements, the Chart Styles, or the Chart Filters.
4. Drag the Pie Chart to the desired location which is to the right of the column charts.
B. 1. Select the data you would like to use, in this case it would be the data in the
"Products" and "Total" columns from the "Summer Sales" worksheet.
2. Click on Insert Pie Chart situation on the Insert tab then pick the 3-D Pie chart as desired.
3. Drag the Pie Chart to the desired location which is to the right of the column charts.

Answer: A

Explanation:
References:
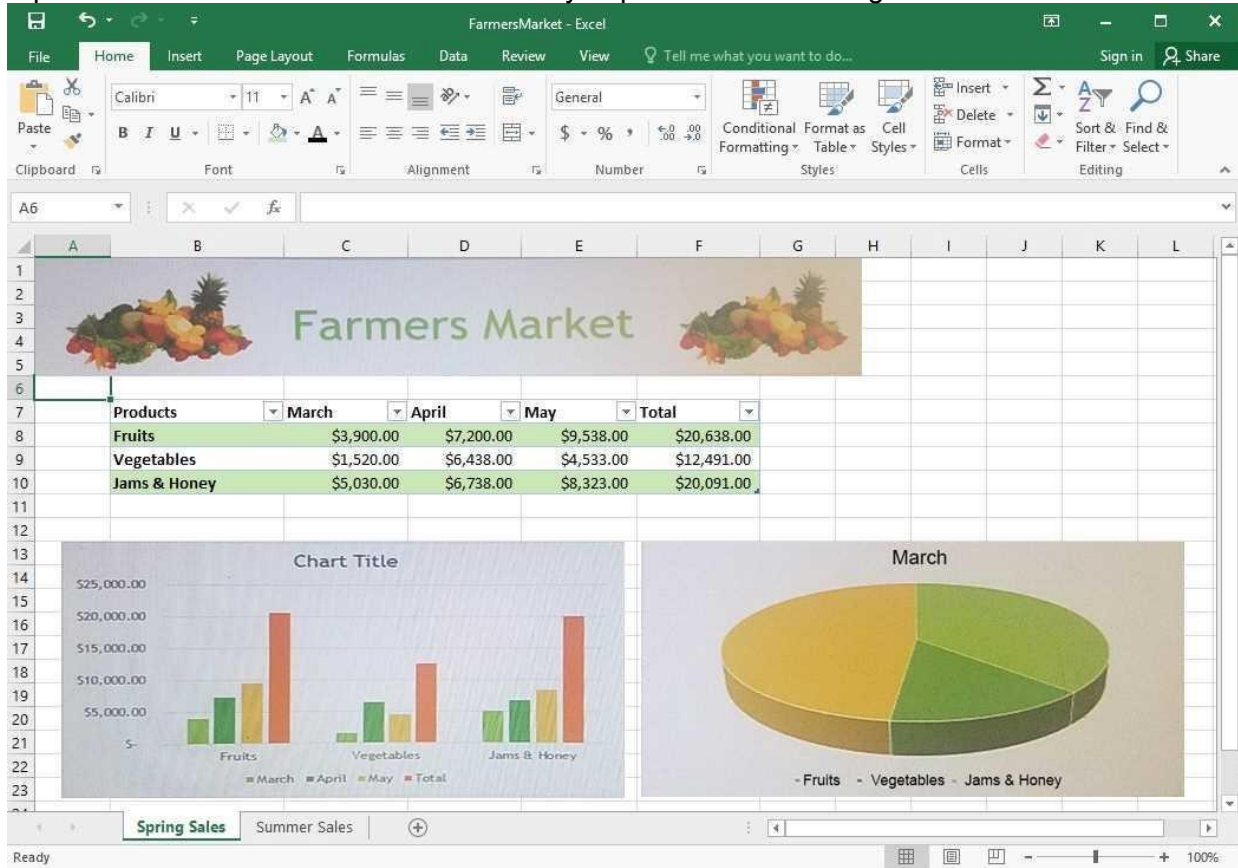https://support.office.com/en-us/article/Add-a-pie-chart-1A5F08AE-BA40-46F2-9ED0-
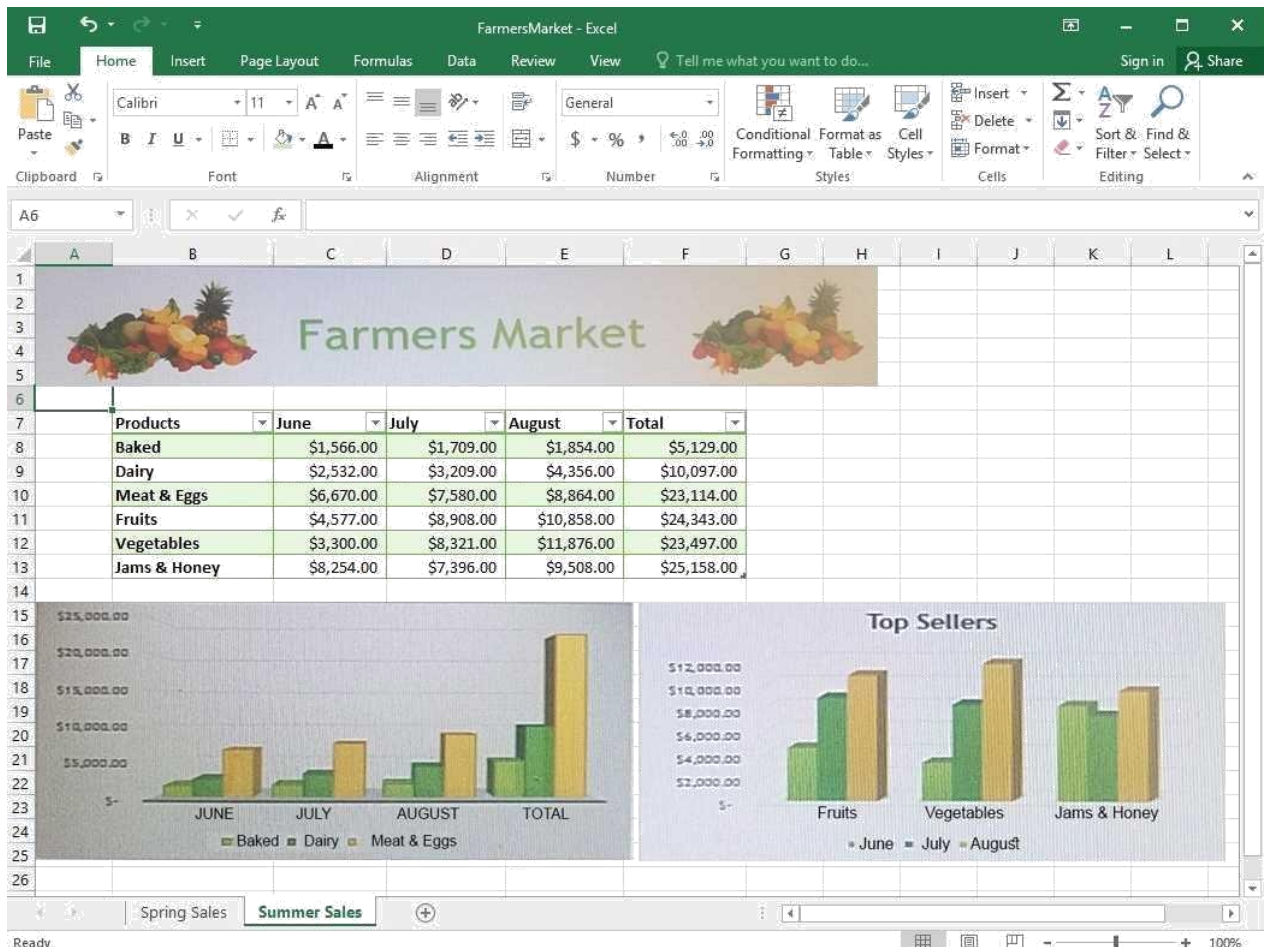FF84873B7863

Question: 5

SIMULATION
Project 7 of 7: Farmers Market
Overview
You are the Director of a local farmers' market. You are creating and modifying charts for a
report which shows the amounts and variety of products sold during the season.

On the "Summer Sales" worksheet, add the "Total" data series to the "Top Sellers" column chart. Include the total only for "Fruits", "Vegetables", and "Jams & Honey".

A. 1. Select the "Top Sellers" column chart.
2. Click on the particular data point you want to label, click Add Chart Element =, from the upper right corner next to the chart, then select Data Labels.
3. Then click Format Data Labels.
4. The Data Label Range dialog box would appear, select the data range which are the cell values you want to appear in the labels, in this case it would be the "Total" colunn .
B. 1. Select the "Top Sellers" column chart.
2. Click on the particular data point you want to label, click Add Chart Element +, from the upper right corner next to the chart, then select Data Labels.
3. Then click Format Data Labels.
4. The Data Label Range dialog box would appear, select the data range which are the cell values you want to appear in the labels, in this case it would be the "Total" colunn for "Fruits", "Vegetables", and "Jams & Honey", then click OK.

Answer: B

Explanatio
n:
References
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https://support.office.com/en-us/article/add-or-remove-data-labels-in-a-chart-884bf2f1-2e29-454e- 8b42-f467c9f4eb2d