

Create Charts and Graphs From a Spreadsheet

Directions: Use your spreadsheet program to complete the following spreadsheet:

Step 1: Create a spreadsheet using the data below and save it as **Activity F604-06**. Be sure to use the correct formulas or functions in the shaded areas to calculate totals and averages.

SCOOPS Ice Cream Parlor

Your Name, Class, Sales Report

| Product | Jan | Feb | Mar | 1st QTR Total | Apr | May | June | 2nd QTR Total | 6 Mo. Total |
|------------------------------|--------|--------|--------|---------------------|--------|--------|--------|---------------------|-------------------|
| Vanilla Ice Cream | 555.00 | 532.00 | 720.00 | | 725.00 | 722.00 | 780.00 | | |
| Chocolate Ice Cream | 305.00 | 220.00 | 325.00 | | 322.00 | 328.00 | 311.00 | | |
| Strawberry Ice Cream | 160.00 | 250.00 | 200.00 | | 200.00 | 212.00 | 252.00 | | |
| Peach Ice Cream | 122.00 | 135.00 | 155.00 | | 155.00 | 111.00 | 188.00 | | |
| Vanilla Frozen Yogurt | 500.00 | 600.00 | 607.00 | | 607.00 | 325.00 | 425.00 | | |
| Chocolate Frozen Yogurt | 124.00 | 140.00 | 150.00 | | 150.00 | 188.00 | 133.00 | | |
| Strawberry Frozen Yogurt | 220.00 | 240.00 | 240.00 | | 245.00 | 146.00 | 249.00 | | |
| Total | | | | | | | | | |
| Average Monthly Sales | | | | | | | | | |

Step 2: Create column chart showing comparison of sales of all products for the months of January, February, and March on a separate page. Name the chart page “Column” to indicate the type of chart stored on this page. Make certain that all labels on both the X-axis and Y-axis are both attractive and readable. Do show the legend for the months of January, February, and March. The bar chart should be entitled “First Quarter Comparison of Product Sales,” and the X- and Y-axis labels should be appropriate.

Step 3: Create a line chart on a separate page to show the trend in sales for Vanilla Ice Cream and Chocolate Ice Cream for all six months. The chart title should be “Watching Products Sales.” Be sure to name the chart page “Line Chart.” Enhance the line chart by enlarging the data series markers to 20 points each with a bolder line. Change the default colors for the line and data markers!

Step 4: Create a pie chart indicating the **total** sales for the first half of the year for all products sold at SCOOPS Ice Cream Parlor on a separate chart page. Name that chart page “Pie Chart.” Chart title should be “Product Sales Breakdown.” Be sure to show the percentage data label beside each portion of the chart. Indicate the largest product sales item by “exploding” that piece of the chart.

Step 5: Create a stacked bar chart on a separate chart page. Name the chart page “stacked bar.” The stacked bar should show the monthly amounts/total for the second quarter for all products. The title of the chart should be “Cold Sales Growth by Product.” Be sure the legend is visible and attractive.

Spreadsheets

Use spreadsheet software with alternative input devices.